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OFFICIAL

ROBERT FULTON EXHIBITION

OF THE

HUDSON-FULTON COMMISSION

THE

NEW YORK HISTORICAL SOCIETY

IN COÖPERATION WITH

THE COLONIAL DAMES OF AMERICA

27 SEPTEMBER–30 OCTOBER

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170 CENTRAL PARK WEST
BETWEEN 76TH AND 77TH STREETS
NEW YORK

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MISS ELIZABETH L. GEBHARD

Gift
Mrs. Opal Logan Kunz
JANUARY 29 1934

BRONZE BUST OF ROBERT FULTON
FROM THE PLASTER CAST BY
JEAN ANTOINE HOUDON
OWNED BY THE NATIONAL ACADEMY OF DESIGN
PRESENTED TO
THE NEW YORK HISTORICAL SOCIETY
BY
THE COLONIAL DAMES OF AMERICA

CATALOGUE

1 Black and White Medallion Portrait of Robert Fulton, by John Vanderlyn.

(Size 6½ x 8½ inches.)

Loaned by Hon. Peter T. Barlow, New York City.

1A Photogravure reproduction (by Annan and Wood) of the medallion portrait of Fulton by Sharpless, showing the inventor with powdered hair and furred top-coat. Signed Artist's Proof.

Loaned by Henry C. Swords.

2 Autograph letter of Dec. 9, 1813, from Robert Fulton to his Excellency, William Hawkins, expressing hope for a repeal of the law in favor of Mr. Stevens of Hoboken, and promising to place in the Governor's hands a speedy report on the condition of the inland waters of the State.

Loaned by Walter Scott.

3 Portrait of Fulton, painted by Jarvis, for Mr. John Wilkes, and presented to Rev. Francis Vinton, of Trinity Church, New York, by Mr. Wilkes' daughter, Mrs. David Colden. The inventor is seated at a balcony overlooking the sea. Dark crimson drapery marks the background. Face and figure are turned to the left; the hands are clasped in front.

(Size 27¾ x 36 inches.)

John Wesley Jarvis, the artist, was a nephew of John Wesley the Methodist divine, and was brought by his father to this country, at five years of age. Through the earnestness of his own

studies he became one of the leading American portrait painters of his time.

Loaned by the Misses Vinton of Pomfret, Conn.

4 Benjamin West's Portrait of Robert Fulton.

Fulton sits in characteristic attitude on his balcony overlooking the sea where one of his submarine inventions for naval warfare is on test. The rich background throws the head and features into strong relief. Force of genius and firmness of character individualize this work by the great American painter.

(Size 28 x 36 inches.)

Loaned by Robert Fulton Cutting.

5 Portrait of Robert Fulton—painted while he was in Holland.

Loaned by Mrs. Hermann H. Cammann.

6 Portrait of Robert Fulton. Painted in 1826 by Robert Le Fevre.

This eminent French artist met Fulton during his residence in Paris, and was so impressed with his personality and genius, that he easily reproduced the marked lineaments from former sketches.

(Oval—7¼ x 8½ inches.)

Loaned by J. Wyman Drummond.

7 Portrait of Robert Fulton by Thomas Sully.

The natural animation of Fulton's countenance is mellowed by time; the clustering hair is thinned; the figure turns to the left and the face looks straight to the front.

Like West, Sully came from across the seas. He was born in Lincolnshire, England. His parents brought him to South Carolina when he was nine years of age. Love of Art mastered him while watching the work of his brother Lawrence and studying the delicate creations of Angelica Kaufman.

(Size 20 x 24 inches.)

Loaned by The Fulton Club.

8 Portrait-sketch of Robert Fulton, painted by himself.

Loaned by Mrs. Robert Fulton Blight.

9 Portrait of Robert Fulton. Artist unknown.

This is a younger Fulton than the Fulton of West and Jarvis. The background is softly neutral. The figure turns to the left. The severe black costume is relieved by high white collar and stock with folds and ruffles.

(Size 24 x 29 inches.)

Loaned by W. Bayard Cutting.

10 Fulton and Napoleon in a chamber of the Tuileries (1804). The Inventor is detailing his Steamboat plan to the Emperor, who listens with interest. Lithographed by P. S. Duval, Philadelphia.

Loaned by Mrs. Hermann H. Cammann.

11 Portrait of Joseph Bringhurst (age 19).

Painted by Robert Fulton in 1786. The Portrait shows young Bringhurst with dark, earnest eyes and flowing brown locks, plainly dressed in Quaker drab, sketching at the river side.

Loaned by E. Bringhurst, Jr., Wilmington, Del.

12 Portrait of the Earl of Stanhope. Painted by Robert Fulton. The Statesman sits at a crimson-draped open window overlooking the entrance to the English Channel. In his hand he holds a plan which deeply engrosses him. The view-point selected is singularly suggestive.

(Size 26 x 36 inches.)

Loaned by Mr. and Mrs. Herman Livingston.

13 Portrait of a Gentleman. Attributed to Robert Fulton.

(Size 10½ x 12½ inches.)

Loaned by E. Bringhurst, Jr., Wilmington, Del.

14 Reproduction of Robert Fulton's Painting "The Last Interview of Louis XVI—King of France—and Family"—engraved by Sherwin in 1793, and published by "R. Wilkinson No. 58 Cornhill" in the same year. This print is exceedingly rare; of it, in the 1834 issue of his "History of the Arts of Design" William Dunlap, Vice-President of the National Academy of Design,

wrote: "the only copy I have seen is possessed by my friend, Dr. Francis; it is now a curiosity." Under the title of the engraving Fulton dedicated the Plate, as follows: "To the Right Honble Lady Elizabeth Palk this plate is inscribed by her Ladyship's most obedient and humble servant."

Loaned by Mrs. Horace F. Brown, Claverack, N. Y.

15 Group of Illustrations from Joel Barlow's epic Poem "The Columbiad," ordered by Robert Fulton, from originals by Robert Smirke, R. A.

Loaned by Mrs. Horace F. Brown.

16 Relievo Medallion of Robert Fulton.

Modelled for Machinery Hall, Pan-American Exposition, Buffalo.

Loaned by The Merrick Library through its President, E. C. Cammann.

17 Portrait (on wood) of Robert Fulton, 2nd, father of the Inventor. Painted by Benjamin West in 1753, when the artist was a mere boy. (Signature and date in lower left hand corner.)

(Size 14 x 16½ inches.)

Loaned by Mrs. Arthur T. Sutcliffe.

18 Portrait of Robert Fulton's mother, Mary Smith Fulton, by Benjamin West in 1753.

(Size 14 x 16½ inches.)

Loaned by Mrs. Arthur T. Sutcliffe.

19 Crayon Portrait of an old mill—drawn by Julia Fulton (afterwards Mrs. Charles Blight) Robert Fulton's daughter.

(Size 13 x 10½ inches.)

Loaned by Rev. Dr. Robert Fulton Crary, Matteawan, New York.

20 Colored Lithograph: "A View of the Birth Place of Robert Fulton." Drawn by J. H. Sherwin. Colored by J. N. Rosenthal. Published in Philadelphia by J. Franklin Reigart and Company, 1852.

(Size 21 x 14 inches.)

Loaned by Mrs. Robert Fulton Blight.

21 Photograph of Paul Sabbaton, the machinist and engineer whose services were devoted to Robert Fulton in his later work.

Loaned by Mrs. Robert Fulton Blight.

22 "Birth Place of Robert Fulton" in Little Britain, Lancaster Co., Pennsylvania, as it appeared in 1765, the year of the inventor's birth. Painted by Robert Fulton Ludlow in 1889. Exhibited at the International Maritime Exposition in Bordeaux, France, 1907.

A modest one and a half story white stucco building with wooden lean-to and picket fence. Its main approach is a well-worn path to a porch fronting the broad upland meadow acres of the farm.

(Size 30 x 45 inches.)

Loaned by Robert Fulton Ludlow.

23 Portrait by Cheney painted in Canton, China, of Charles Blight, who married Robert Fulton's eldest daughter, Julia.

(Size 7 x 8½ inches.)

Loaned by Mrs. Robert Fulton Blight.

24 "Lease of Ferry privileges from Beekman Slip in New York to the Old Ferry of Brooklyn on the Island of Nassau." The original document accorded "to William Cutting and Robert Fulton by the Mayor, Aldermen, and Commonality of the City of New York," January 24, 1814.

(Size 25½ x 33¾ inches.)

Loaned by Robert Fulton Cutting.

25 Watercolor Sketch of J. Franklin Reigart (Philadelphia) one of Fulton's ablest biographers, engaged in his study of the inventor's life.

(Oval 5½ x 7¼ inches.)

Loaned by Mrs. Arthur T. Sutcliffe.

26 Original Watercolor drawing of the North River or Clermont. By Richard Varick De Witt in 1855. The correctness of this drawing is certified to by Riley Bartholomew "for some time an officer" on the Clermont.

Owned by The New York Historical Society.

26A Model of Clermont, said to be made from wood of same.

Owned by The New York Historical Society.

27 Fulton's first Steamboat, The Clermont, on her way up the Hudson. Painted by Robert Fulton Ludlow, grandson of Robert Fulton. Exhibited at the International Maritime Exposition in Bordeaux.

(Size 24 x 34 inches.)

Loaned by Robert Fulton Ludlow.

28 View of the Palisades, New Jersey. Showing early Steamboat Navigation on the Hudson. By William G. Wall. The artist was a favorite early exhibitor in the National Academy of Design, and delighted in Hudson River scenery. He was born in Dublin, Ireland, in 1792, and came to New York in 1818.

Owned by The New York Historical Society.

29 Old Colored Wood Engraving, caricaturing Fulton's Torpedo, in guise of the magnetic fish of that name, accompanied with printed fictitious letter dated New Orleans, June 22, 1811, and addressed by "Elias R. Coffin to Wm. Woodnell."

Loaned by Mrs. Robert Fulton Blight.

30 Model of City of Newburgh Medal, Hudson-Fulton Celebration 1609–1909 (reverse side) with profiles of Hudson and Fulton.

Loaned by the Sculptor, H. K. Bush-Brown.

31 Model of City of Newburgh Medal (obverse) for the Hudson-Fulton Celebration, 1609–1909. A draped female figure, "Newburgh, enthroned among the Mountains of the Hudson," welcomes the naval and ceremonial fleets as they pass up the river in review,—the Half Moon and Clermont, leading.

Loaned by the Sculptor, H. K. Bush-Brown.

32 Portrait of George Washington, painted by Charles Wilson Peale in 1780. Washington surveys the battle-field of Princeton, the horse from which he has dismounted, close behind. In the right perspective, are the college buildings; in the left, soldiers with fixed bayonets march past under the flag. This portrait was painted for Washington's personal friend, Judge Elisha Boudinot of the Supreme Court of New Jersey, Commissary of Prisoners in the Revolutionary War, and Chairman of the Committee of Safety of New Jersey.

Three-quarter length figure.

(Size 41 x 28 inches.)

Loaned by Miss J. J. Boudinot.

33 Portrait of De Witt Clinton by Charles C. Ingham.

A warm, neutral background gives the figure, clad in plain black relieved with white stock and ruffle at the throat, the fine relievo effect which was one of Ingham's characteristics. The Governor is seated at a desk upon which rests a closed account book. The earnest face turns almost full-front. The head rests upon the right hand; the left drops carelessly to the curved arm of the great red leather chair in which Mr. Clinton sits.

(Size 40 x 49½ inches.)

Loaned by The Ehrich Galleries, New York City.

Charles (Cromwell) Ingham was born in Dublin in 1796 and arrived in the City of New York in 1816. The commanding qualities of his work, especially portraiture, were instantly and cordially recognized by the leading people of his time. "Ingham's Painting has a beauty and transparency of coloring marked by strong lights and deep tones, and an exquisiteness of finish that render it emphatically original as regards this country," wrote

a contemporary critic. It was Clinton (it will be remembered) who assembled in special session the distinguished Societies to which Robert Fulton belonged on learning of the inventor's death.

34 Portrait of Washington by Rembrandt Peale.

A characteristic medallion portrait of Washington, as Commander-in-Chief of the Continental Army, with background of strong sunlight.

(Size 33 x 40 inches.)

Loaned by The Ehrich Galleries, New York City.

Rembrandt Peale was born on the twenty-second of February, 1778, in a rural district of Bucks County, Pennsylvania. His father was Charles Wilson Peale.

35 Portrait of Cadwallader D. Colden by John Wesley Jarvis.

Mr. Colden, Mayor of New York City in 1818; Representative to Congress in 1822; State Senator in 1825, was Robert Fulton's warm friend and chief biographer. The portrait shows him seated in a large red chair, glancing up from his desk as if arrested in his writing by some sudden thought.

(Size 28½ x 35 inches.)

Owned by The New York Historical Society.

36 Vanderlyn's Portrait of Joel Barlow.

Painted in 1813. (Formerly owned by Mrs. Thomas Barlow.) A beautifully-toned, expressive medallion portrait of the distinguished philanthropist, scholar and man of letters, who was one of Robert Fulton's most devoted and loyal friends.

(Size 18 x 12½ inches.)

Loaned by Mrs. Anica Chambers, Washington, Pa.

37 Portrait of Napoleon I.

Painted by Andrea Appiani (Milan, 1797), and brought to America by Joseph Bonaparte. Napoleon was so impressed with the grace, harmony and interpretative genius of this countryman of his, that he appointed him to his special service. Appiani's talent won the decorations of the Legion of Honor and of the

Iron Crown of Monza, and added some of its most beautiful mural paintings to the Royal Palace at Milan. This remarkable portrait shows Napoleon dressed in rich military costume standing in thoughtful attitude. Three-quarter length.

(Size 31½ x 33¾ inches.)

Loaned by J. Coleman Drayton, New York City.

38 Portrait of Robert R. Livingston by Gilbert Stuart.

Painted about 1796, a year or so after Stuart's head of Washington appeared. This portrait also bears witness to Stuart's "love of painting heads rather than bodies and inanimate details." In the simple costume of an American gentleman of the period, the Chancellor sits in a large velvet chair before a rose-draped writing table in his study. In one hand is a letter sheet inscribed: "Council of Revision" (of the Constitution of the United States); another letter sheet close by is marked "Constitution of the State of New York."

(Size 28 x 36½ inches.)

Loaned by John Henry Livingston, of Clermont.

39 Vanderlyn's Portrait of Robert R. Livingston.

Mr. Livingston, who was Minister Plenipotentiary of the United States to the Court of the first Napoleon, is seen in a room of his Parisian residence. A warm background is afforded his commanding face and figure by the golden brown hangings of the room. In court attire, he sits in a large crimson cushioned chair before a green draped table, engrossed in thought of a newly-arrived "Plan for the establishing of an Academy of Fine Arts in New York." This portrait was painted at the request of Napoleon in 1802–03, after the purchase of Louisiana.

John Vanderlyn, the artist (1776–1856) was born in Kingston, New York, and was contemporaneously the protégé of Gilbert Stuart and Aaron Burr. His art won the distinguished consideration of Napoleon I and of the American Presidents of his time. The above portrait is classed among the most impor-

tant of his works in Paris, during the Napoleonic era. Vanderlyn's canvases may be studied in the Capitol at Washington and in the Louvre in Paris.

(Size 34 x 45 inches.)

Owned by The New York Historical Society.

39A Portrait in black and white of Joel Barlow, by John Vanderlyn in 1798.

(Size 8 x 6 inches.)

Loaned by Hon. Peter T. Barlow, New York City.

40 Medallion Portrait of Mrs. Walter Livingston, Mrs. Robert Fulton's mother, painted by Robert Fulton. On the reverse, Fulton sketched a study of his little son, Robert Barlow (usually referred to as "Barlow") Fulton.

Loaned by Fulton's granddaughter, Mrs. Hermann H. Cammann, of New York City.

Note: Walter Livingston, father of Mrs. Robert Fulton and cousin of Chancellor Livingston, was First Custodian of the United States Treasury. His wife was Cornelia (doubly a Schuyler) for her father belonged to the Peter Schuyler (of Albany) family and her mother was Gertrude, sister of General Philip Schuyler, whose presentation of a group of North American Indians at the English Court is the subject of one of the historic floats of the present Commemorative Celebration.

41 Autograph letter from Robert Fulton to his Mother, dated Paris, July 2, 1799;—speaking of the moment as being a propitious one for the consideration of a treaty between France and America, and assuring his mother that he is saving his heart for "some amiable American,"—malgré the charming attentions showered upon him abroad. With this letter he also affectionately sends his Mother a remittance of 18 double French guineas (about 36 English guineas).

Loaned by Louis S. Clarke, Haverford, Pa.

42 Photograph of Building in which Robert Fulton attended School in Lancaster, Pa. The building is at the corner of Penn Square and East King Street. The school occupied the second story.
Loaned by Mrs. Arthur T. Sutcliffe.

43 Color Print of the Fulton Farm.
"A View of the Birth Place of Robert Fulton, Lancaster County, State of Pennsylvania," with vignette of Fulton, and biographic text. Drawn by John H. Sherwin; Color work on stone, L. N. Rosenthal. Published by Reigart and Dellinger, Philadelphia, 1852. (Size of card, 22½ x 17½ inches.)
Owned by The New York Historical Society.

44 Japanese vellum print, showing the Lancaster of 1800, and locating "Store house, Barracks, Gaol, Dutch Presb'y Church, Court House, St. James Church, English Presbyterian Church, Lutheran Church, Roman Cath. Church and Friends Meeting."
Loaned by Mrs. Arthur T. Sutcliffe.

45 Autograph letter from Robert Fulton to his brother-in-law, David Morris. With solicitous inquiries about his beloved mother and other members of the family, and giving Fulton's views on the Excise Law, etc. Dated London, September 12, 1796.
Loaned by Mrs. Frank Semple, Sewickley, Pa.

46 Autograph Letter from Robert Fulton to his mother. Dated Devonshire, Jany 20, 1792. Relating business transactions with Lord Courtney, Fulton's tour in France and his art progress there, and his going back to London.
Loaned by Mrs. Frank Semple, Sewickley, Pa.

47 "La Blanchiseuse."
India ink sketch by Robert Fulton. The date, March 15, 1783, shows this to have been among Fulton's earliest efforts and therefore is of particular interest. (Size of card 11 x 13 inches.)
Loaned by E. Bringhurst, Jr., Wilmington, Del.

48, 50 Photographs of humorous pen and ink sketches made by Robert Fulton in 1812–1813. One of these tells the story of his amusing "perpetual motion fraud exposé." There are ten drawings in two frames. (Exhibited at the International Maritime Exposition in Bordeaux.)

Loaned by Robert Fulton Ludlow.

49 Pastel Portrait of Margaret Ross. By Robert Fulton in 1787. This charming example of Fulton's early art, shows Miss Ross as she was entering the social coterie of her native Philadelphia. She wears on her head a high-piled turban of lace, flowers and pearls; she is dressed in a simple low-cut white bodice and full, flowered skirt; in one hand she holds an opening rose.

Of this portrait, Fulton's great-granddaughter, Alice Crary Sutcliffe, says in her article on "The Early Life of Robert Fulton" (Century Magazine, September, 1908): "The only known pastel portrait made by Robert Fulton is that of Margaret Ross at sixteen, . . . at present owned by Mrs. C. S. Bradford of Philadelphia. . . . Margaret and Clementina Ross were daughters of John Ross, a successful merchant of Philadelphia, to whom Fulton was introduced by a letter from Dr. Franklin."

(Oval, size 9½ x 6½ inches.)

Loaned by Mrs. Charles Sydney Bradford, Philadelphia.

51 Sketch in India Ink. Signed by Robert Fulton. Rustic scene with river and ruins. (Size 11½ x 8½ inches.)

Loaned by E. Bringhurst, Jr., Wilmington, Del.

52 Photograph of marble bust of Robert Fulton, executed by Bremond from the Houdon original (modelled from life), and presented to the City Council of Charleston, South Carolina, by J. H. Mey, Esq. of that City.

The pedestal is inscribed: "Robert Fulton, the Father of Steam Navigation; by his genius and labor with the generous assistance of Robert R. Livingston, American Minister to France, he contributed largely to the Progress of Commerce throughout the World."

"The City of Charleston re-erects here this Memorial Bust to keep his Beneficent Achievements in Constant Remembrance, 1883."

Loaned by Mrs. Arthur T. Sutcliffe.

53 Photograph of marble bust of Joel Barlow, by Jean Antoine Houdon. Among Houdon's chief European marbles are the statue of Voltaire in the peristyle of the Théâtre Français and the statue of Diana ordered by Catherine II of Russia. Two of Houdon's works for public buildings in America are his statue of Washington for the Capitol in Richmond, Va., and his bust of the Marquis de LaFayette, for the same place.

Original owned by Mrs. Thomas Barlow.

Photograph loaned by Mrs. Anica Chambers, Washington, Pa.

54 Photograph of the marble statue of Robert Fulton in the Capitol at Washington. The statue, which is of heroic size, shows the inventor seated, studying a Steamboat model, with MSS. plans and documents at his feet. It was executed by Howard Roberts in 1881.

Loaned by Mrs. Arthur T. Sutcliffe.

55 Colored Lithograph by H. Hayward (for Valentine's Manual 1864) of Fulton Ferry. "Built of Iron 1863."

Loaned by Mrs. Arthur T. Sutcliffe.

56 Print reproduction of a Portrait of Fulton's friend and adviser, Thomas Addis Emmet, painted by Elizabeth Emmet with the assistance of Robert Fulton. The original portrait is owned by Dr. Thomas Addis Emmet.

Loaned by Mrs. Arthur T. Sutcliffe.

57 Print reproducing a Portrait of Mrs. Jane Patten Emmet, wife of Thomas Addis Emmet, by Elizabeth Emmet, under the direction of Robert Fulton.

Loaned by Mrs. Arthur T. Sutcliffe.

58 Photograph of West's Portrait of Fulton. Exhibited at the International Maritime Exposition of 1907, in Bordeaux.
Loaned by Robert Fulton Ludlow, of Claverack, N. Y.

59 Fulton's Original Bill of Disbursements from June 25, 1808, to April 24, 1809, for expenses incurred in altering the Clermont, thereafter termed the North River; also of expenditures "For the New Boat" (probably the Car of Neptune, or the Raritan), from June 9 to June 28 of the same year. An interesting item in this bill is: "To Mr. Roosevelt, on Mississippi expedition, $600." This refers to Mr. Nicholas Roosevelt's surveying tour of the Mississippi River when the establishment of Fulton's and Livingston's Steamboat Line on Western Waters was under consideration.
Loaned by Joseph B. Learmont, Montreal, Can.

60 Original letter (date of Oct. 9, 1807) from Robert Fulton to Capt. Andrew Brink, commander of the Clermont. This letter, instructing the Captain not only how to *command* but how to obtain *obedience* to his commands, is an interesting key to the inventor's own character.
Loaned by Mr. Benjamin Myer Brink.

61 Four steel engravings of Fulton (framed); the first is by the United States Bureau of Engraving and Printing; the second by Leney for the Analetica (Magazine); the third is unsigned, and the fourth is by Murilton.
Loaned by Mrs. Hermann H. Cammann.

62 White-metal Medal (in silver frame) with relievo portrait of Robert Fulton, and the inscription: "Fulton Institute, Lancaster, Pa. Founded 1858."
Loaned by Mrs. Arthur T. Sutcliffe.

63 Steel Engraving of Robert Fulton; by Cramp, Paternoster Row, London.
Loaned by Mrs. Hermann H. Cammann, New York City.

64 Old wood engraving of Robert Fulton, "Presented to Dr. Crary by the daughter of the Stewardess of The Clermont."
Loaned by Rev. Dr. Robert Fulton Crary, Matteawan, New York.

65 Five (framed) Portrait Engravings of Fulton; consecutively by Jackman for D. Appleton; by Leney (from West's Portrait); unnamed; by Parker, and from the original painting by Chappel.
Loaned by Mrs. Hermann H. Cammann.

66 Original promissory note for $8,000 (payable by Robert Fulton to Robert R. Livingston), dated Jan. 8, 1812.
Loaned by Robert Fulton Ludlow.

67 Miniature by James Freeman, Paris, of Julia Fulton Blight, dressed in costume of 1830; with landscape background.
Loaned by Mrs. Robert Fulton Blight.

68 Miniature by Robert Fulton, of Major Michael McCurdy.
Loaned by Mrs. George McHenry through Miss Mary S. Buckley of Chestnut Hill, Philadelphia.

69 Miniature of Robert Fulton. Painted during Fulton's residence abroad. Artist unnamed.
This Miniature was purchased about 1867, by Mr. C. Colles of Copenhagen (an uncle of the present owner) from an Art dealer in London, who informed Mr. Colles that it had formerly belonged to Fulton's friend, the Earl of Stanhope.
Loaned by Mrs. E. Brewster, Newark, N. J.

70 Miniature reproduction of West's Portrait of Robert Fulton. By Robert Fulton.
Loaned by Mrs. Robert Fulton Blight.

71 Ivory miniature of Robert Fulton painted by himself while in Paris.
Loaned by Mrs. Joseph W. Drexel, through Mrs. John Duncan Emmet.

72 Miniature (artist unknown) of Mrs. Robert (Harriet Livingston) Fulton in Empire costume.
Loaned by Mrs. Robert Fulton Blight.

73 Miniature of Samuel Beach, painted by Robert Fulton in 1785.
Loaned by H. A. Boardman, St. Paul, Minnesota.

74 Watercolor head of Rev. Dr. Crary when a child. Painted by his Aunt, Julia Fulton.
(Size 2 x 3¾ inches.)
Loaned by Rev. Dr. Robert Fulton Crary.

75 Miniature by Mrs. Robert Fulton in 1815, of Eugene Sue's "Wandering Jew."
(Size 2⅝ x 3 5/16 inches.)
Loaned by Mrs. William Barclay Parsons, Sr., New York City.

76 Small Clasped leather Account Book—used by Mrs. Robert Fulton, as a Memorandum of her daily expenses, and a partial family record; it also contains several portraits, landscape sketches, and drawings.
Loaned from the estate of Fulton's daughter, Cornelia Livingston Crary.

77 Pencil sketch of Cornelia Livingston Fulton, by her mother, Mrs. Robert Fulton.
Loaned from the estate of Cornelia Livingston Crary.

78 Miniature of Fulton's eldest children—Robert Barlow and Julia —painted from life in Paris.
Loaned by C. F. Crary, Merrick, L. I.

79 Miniature of Robert Fulton—painted from life in Paris.
Loaned by C. F. Crary, Merrick, L. I.

80 Miniature of Mrs. Robert Fulton—painted from life in Paris.
Loaned by C. F. Crary, Merrick, L. I.

81 Daguerreotype reproduction of black and white portrait of Fulton, by John Vanderlyn.

Loaned by Mrs. Frank Semple, Sewickley, Pa.

82 Photograph of carved tortoise shell back comb worn by Cornelia Livingston Fulton. (The original is owned by Mrs. E. C. Cammann.)

Loaned by Mrs. Arthur T. Sutcliffe.

83 The Compass by which Pilot Acker directed the course of Fulton's first steamboat, The Clermont.

This compass came into the possession of Christian Cooper through Mr. Acker. It was presented to Robert Fulton Ludlow by Mrs. Cooper, April 22, 1891.

Loaned by Robert Fulton Ludlow.

84 Extra Illustrated Edition de luxe of "The Columbiad" by Joel Barlow, published in 1807 by Fry and Kammerer of Philadelphia and dedicated to Robert Fulton, to whom was due "the elegant selection" of the copious, rare and beautiful steel and wood engravings and color prints of classic and historic scenes and personages that adorn this work. 3 volumes; quarto. Book plate of former owner, the late Samuel Latham Mitchell Barlow.

Frontispiece, a steel engraving of Fulton's Portrait of Mr. Barlow, under which is inscribed (from the 8th book of the poem)

> . . . "The Warrior's name
> Tho' pealed and chimed in all the tongues of fame
> Sounds less harmonious to the grateful mind
> Than his who fashions and improves mankind."

Following the frontispiece are steel engravings of the portraits of Fulton painted by Benjamin West and Miss Emmet.

In his preface to the work, Mr. Barlow addresses Fulton:

"My dear friend: This poem is your property. . . . Take it then to yourself and let it live a monument to our friendship . . . your inventive discoveries in the useful Arts, the precision and extension of your views in the physical sciences and in their appli-

cation to the advancement of society and morals, will render it proper that the lines you have selected and written under my portrait, should be transferred to *yours*. Posterity will vindicate the right and fix them in their place."

Loaned by Hon. Peter T. Barlow, New York City.

85 Silver Watch of peculiar design, presented to Robert Fulton by the City of Plombiers, France, in 1802, near which place Fulton was then experimenting with the first principles of steam navigation.

This watch was inherited by the present loaner, Mrs. Cornelius H. Howard of Dorchester. Mass., from her father, Michael Butler.

Loaned by Mrs. Cornelius H. Howard, Dorchester, Mass.

86 Miniature of Walter Livingston. On the reverse of the miniature is inscribed: "The likeness of my beloved Father, Walter Livingston. Harriet Livingston, Tiviot Dale, Livingston Manor." In richly wrought silver frame.

Loaned by Mrs. William Barclay Parsons, Sr., New York City.

87 Small Silver Snuff Box presented by Robert Fulton to his friend Isaac C. Cooke.

Loaned by Mrs. William Crocheron.

88 White Metal Memorial Medallion, with relievo of The Clermont on obverse; reverse inscribed: "Sacred to the Memory of Robert Fulton, one of the most illustrious Benefactors of Mankind."

Loaned by Mrs. Hermann H. Cammann, New York City.

89 Mrs. Robert Fulton's card case of carved ivory.

Loaned by Mrs. Hermann H. Cammann, New York City.

90 High back comb of amber shell worn by Julia Fulton Blight.

Loaned by Mrs. Robert Fulton Blight.

91 Pair of dainty satin slippers, worn by Julia Fulton Blight.
Loaned by Mrs. Robert Fulton Blight.

92 Pair of slippers, in fine morocco and blue satin with silver embroidery—worn by Julia Fulton Blight.
Loaned by Mrs. Robert Fulton Blight.

93 Old Burslem semi-China plate (E. Wood & Sons) showing a Union Line Steamboat on its way up the Hudson. Sea-shell border.
Loaned by Samuel V. Hoffman.

94 Jug-shaped Pitcher of rare old cream Liverpool ware (with gold bands) commemorating the death of Washington and the genius of Fulton, and bearing the arms of the United States.
Loaned by Samuel V. Hoffman.

95 Highly glazed white pate tendre fruit dish in gold basket-work on pedestal with rose du Bari bands, belonging to a service used by Robert Fulton.
Loaned by Mrs. Robert Fulton Blight.

96 Old Liverpool ware sugar bowl with lustre bands and picture of Fulton's Steamboat Clermont.
Loaned by Mrs. Hermann H. Cammann, New York City.

97 Bronze Inkwell used by Robert Fulton; nautical emblems and devices.
Loaned by Mrs. Arthur T. Sutcliffe.

98 Urn-shaped Vase from a set of highly-glazed pâte tendre presented to Robert Fulton by Thomas Jefferson. Decorated with the Arms of the United States.
Loaned by Robert Livingston Jenkins, Lebanon, Pennsylvania, through Miss Julia A. Jenkins.

99 Large white and blue Delft Platter with oval marine view of the ship Neptune passing the blockade established in Amer-

ican ports during the Louisiana territory difficulties of 1814. Concave octagon border with seaweed device. Title, and signature "I. and G. A." on reverse, under glaze.

Loaned by James F. Edge, Hackensack, N. J.

100 Silver plated copper Candlestick used by Mary Fulton Morris—a sister of Robert Fulton.

Loaned by John C. Alrich, Pittsburgh, Pa.

101 Large Colonial Silver Ladle—formerly belonging to Mary Fulton Morris, sister of Robert Fulton. Engraved with initial "M."

Loaned by John C. Alrich, Pittsburgh, Pa.

102 Silver plated copper Candlestick with extension-top owned by Mary Fulton Morris.

Loaned by John C. Alrich, Pittsburgh, Pa.

103 Old Burslem semi-China Plate (E. Wood & Sons) with early view of Albany.

Loaned by Samuel V. Hoffman.

104 Autograph letter from Robert Fulton to John Livingston (Louisville, Ky.): Concerning the building of Fulton's boats. Dated New York, Aug. 1, 1814.

Loaned from the Estate of Fulton's daughter, Cornelia Livingston Crary.

105 Original (Mss.) Ratification of Articles of Agreement "entered into and executed by you and the Honble Robert R. Livingston, dec^{d}, dated Paris 'Oct. 10, 1802,' addressed to Robert Fulton, and signed Robert L. Livingston, Edwd P. Livingston." Clermont, June 21, 1814.

Loaned from the Estate of Cornelia Livingston Crary.

106 Autograph Mss. "Experiments on the model of a boat to be moved by a steam engine" with original drawings, dated Paris the 19 Nevose An 11 (January the 19th, 1803), presented to

Robert Fulton Crary—(eldest grandson of Robert Fulton and son of Cornelia Livingston Crary)—by his friend Philip Hamilton, son of Alexander Hamilton. Eight of these experiments are minutely described.

Loaned by Rev. Dr. Robert Fulton Crary, Matteawan, N. Y.

107 Analytical observations, calculations and experiments on and with "Moving Boats by Machinery" (original mss.) by Robert Fulton, illustrated with many mechanical drawings.

Dated Plombieres, the 5th of June, 1802.

Loaned from the Estate of Cornelia Livingston Crary.

108 Autograph letter from Robert Fulton to John Livingston; concerning contract for steamboat repairs, etc. Dated February 5th, 1814.

Loaned from the Estate of Cornelia Livingston Crary.

109 Original (signed) Mss. "Extract from the Deposition of Nicholas J. Roosevelt, given and sworn to on the 28th of August, 1811." In this deposition, Mr. Roosevelt says: "This deponent believes the Steamboat as established and organized by Robert Fulton to be a new science, not practised nor written in any book which has come to the knowledge of this deponent before the construction of the first Steamboat on the North River by Mr. Fulton in 1806."

Loaned from the Estate of Cornelia Livingston Crary.

110 First volume of Robert Fulton's Mss. Note book on Torpedoes (illustrated with sketches by himself). In the opening paper, dated March 26, 1813, Fulton gives full instructions for preparatory examination of and actual practise with Torpedoes. The second paper is a letter to Mr. Swartwout (commanding one of Fulton's Boats) concerning the manning of the Torpedo boat and the distribution of Government premiums received by such boats for prizes.

The third paper contains a suggestion to attach Torpedoes to spars, placing these deep in the water under a line of Battleships.

Among other papers are instructions to Capt. Welden, and communications to Hon. William Jones, Secretary of the Navy, and to Commodore Decatur. The last paper is signed by Robert Fulton and James McGowan and is dated New York, Apr. 23, 1814.

Loaned from the Estate of Cornelia Livingston Crary.

111 Scientific Description of Plates Illustrating Robert Fulton's Notes on the Submarine Vessel, dated London, June 12th to the 20th, 1804. These plates Mr. Fulton characterized as "the last and most perfect of my drawings on this subject."

Loaned from the Estate of Cornelia Livingston Crary.

112 Original Mss. by Robert Fulton "On Submarine Navigation and Attack." Its detailed caption is: "Reason why I directed my attention to such Inventions"—"Negociations with the British Government on the Subject"—"Descriptions of the Engines and Several Modes of using them"—"Reasonings on the Consequences of such Inventions." . . .

"These Papers I read to Sir Charles Blagden, Capt. Hamilton, the Rev. Dr. Cartwright, and Alexander Davison, Esqr. on the 18th of August 1806," writes Fulton in the preface.

Loaned from the Estate of Cornelia Livingston Crary.

113 Mss. letter dated Paris, 22nd Fructidore, An 9. from Robert Fulton to Citizens Monge, La Place and Volney—Members of the National Institut, Commissioners appointed by the First Consul to promote the invention of Submarine Navigation: "Giving the results of my experiments during the Summer, also the mode which I conceive the most effectual for using the invention against the enemy."

Loaned from the Estate of Cornelia Livingston Crary.

114 Volume II of Robert Fulton's Note Book. From May 21st, 1804, to January 31st, 1811: containing extracts from pamphlets sent to Paris by Fulton to Messieurs Volney, LaPlace, Proney and Gueyton de Morreau of the Institut, and to Generals Rapp

and Resicourt; Messrs. Armstrong, Parker, Narderi, Short, Livinsworth, Sargent, the Abbey Grégoire, and Briguet; together with these extracts are reports of various important Committees convened at that epoch, and autograph communications with and to the Hon. Wm. Pitt (to whom Fulton was known by his nom-de-plume "Robert Francis"), Lord Melville, Lord Popham, Lord Castlereagh, Lord Grenville, the Hon. Chas. Gray and other leading home and foreign state dignitaries and diplomatists.

Loaned from the Estate of Cornelia Livingston Crary.

115 Autograph letter from Robert Fulton to Mr. Prentice—dated New York, April 13, 1812: On the Steamboat navigation of the Delaware by Mr. Stevens, and the claims made by that gentleman and others in the matter of Steamboat invention.

Loaned from the Estate of Cornelia Livingston Crary.

116 Original letter of Robert Fulton—to Hon. Wm. Jones—Secretary of the Navy—illustrated with mechanical drawings. Dated Apr. 19, 1813: concerning the comfort and satisfaction to be experienced by properly protecting the waters of the country.

Loaned from the Estate of Cornelia Livingston Crary.

117 Original Contract between Robert Fulton and Nicholas Roosevelt (dated 16th September, 1813), concerning mutual interests in the Indian Territory.

Loaned from the Estate of Cornelia Livingston Crary.

118 Mss. letter to Robert Fulton dated:

"Paris, 7th Germinal, the 9th year of the One and Indivisable Republic."

1st. Division
Bureau des
Ports.

Referring to the writer's letter (date of the 8th Ventos) announcing the First Consul's acceptance of Fulton's proposition

concerning the Nautilus, and detailing the arrangements made for her purchase and safe conveyance into the port of Brest.

Signed: "Forfait."

Loaned from the Estate of Cornelia Livingston Crary.

119 Translation of 118.

120 Autograph letter to Robert Fulton from Chevalier Ch. Paul Svenine, dated 19th May, 1813—concerning the introduction of Fulton's Steamboat into Russia,—towards which attainment the Chevalier had been influential.

Loaned from the Estate of Cornelia Livingston Crary.

121 Original letter from Boulton, Watt & Co. to Robert Fulton, dated Soho, 26th Octr 1811—advising the inventor that they await his instructions as to the delivery of a Cylinder, a brass Air pump, etc., for shipment to America.

Loaned from the Estate of Cornelia Livingston Crary.

122 Autograph letter from Robert Fulton to John Livingston, dated New York, Jany. 26, 1814—with statement of the expenses of the Mississippi boats and the Capital subscribed for the same.

Loaned from the Estate of Cornelia Livingston Crary.

123 Autograph letter from Robert Fulton to John Livingston, dated New York, Feb. 8, 1814: counselling the constant and systematic practise of economy, "in this new and expensive undertaking," and expressing surprise at extra cost of building the boats therein mentioned.

Loaned from the Estate of Cornelia Livingston Crary.

124 Autograph letter from Robert Fulton to John Livingston, dated New York, Feb. 14, 1814: concerning Edward Livingston's purchase of interests in the Mississippi boat.

Loaned from the Estate of Cornelia Livingston Crary.

125 Autograph letter from Robert Fulton to John Livingston, dated New York, Feb. 15, 1814: concerning expenses for putting the Vesuvius in order.

Loaned from the Estate of Cornelia Livingston Crary.

126 Autograph letter from Robert Fulton to John Livingston—dated New York, March 5th, 1814: on the passage of the Vesuvius under command of Capt. Ogden, and on Mr. Gale's appointment as Supercargo.

Loaned from the Estate of Cornelia Livingston Crary.

127 Autograph letter from Robert Fulton to John Livingston—dated New York, March 9, 1814: concerning the departure of Capt. Pales, Livingston's sale of patentee's rights, etc.

Loaned from the Estate of Cornelia Livingston Crary.

128 Autograph letter from Robert Fulton to John Livingston—dated Albany April 9, 1814: concerning transactions with Capt. Ogden, etc.

Loaned from the Estate of Cornelia Livingston Crary.

129 Autograph letter from Robert Fulton to John Livingston—dated New York, April 19, 1814: relative to the sailing of the Vesuvius, etc.

Loaned from the Estate of Cornelia Livingston Crary.

130 Autograph letter from Robert Fulton to John Livingston—concerning prompt returns of Steamboat earnings.

Dated New York, April 21, 1814.

Loaned from the Estate of Cornelia Livingston Crary.

131 Autograph letter from Robert Fulton to John Livingston—dated New York, April 30th, 1814: concerning Capt. Ogden's obligation for the safe delivery of the Vesuvius at New Orleans.

Loaned from the Estate of Cornelia Livingston Crary.

132 Autograph letter from Robert Fulton to John Livingston: concerning the happy prospect for New Orleans Steamboat traffic, etc.

Dated New York, June 28, 1814.

Loaned from the Estate of Cornelia Livingston Crary.

133 Autograph letter from Robert Fulton to John Livingston: relative to the success of the Vesuvius, etc.

Dated New York, May 9, 1814.

Loaned from the Estate of Cornelia Livingston Crary.

134 Autograph letter from Robert Fulton to John Livingston. Dated Nov. 18, 1814: regarding purchase of Mississippi shares.

Loaned from the Estate of Cornelia Livingston Crary.

135 Autograph letter from Robert Fulton to John Livingston dated New York, Sept. 22, 1814: announcing the appointment of Capt. Clement as commander of the Vesuvius—vice Capt. Ogden.

Loaned from the Estate of Cornelia Livingston Crary.

136 Probate Mss. Copy of the Will of Robert Fulton, certified by Silvanus Miller (Surrogate) at the City of New York the 27th day of February, 1815, as "a true copy." The *ORIGINAL WILL* is in the possession of the Estate of Fulton's daughter, Cornelia Livingston Crary.

Loaned by the Estate of Cornelia Livingston Crary.

137 Original issue of a New York newspaper—"The Columbian"—dated Feb. 25, 1815—with Notice of the death of Fulton and Resolutions on this event, framed by the distinguished Societies of which he was a member.

Loaned by the Estate of Cornelia Livingston Crary.

138 Autograph Mss. of Fulton's Essay: "To the Friends of Mankind on the Advantages of Free Trade," commencing: "If we are animated by a virtuous desire to aid the cause of humanity and hope to see mankind arrive at a state of tranquillity, justice and friend-

ship of which their nature is capable, it is necessary we should understand the true and simple interests of society or—with the best wishes for the public welfare—we should be liable to follow established errors."

Loaned from the Estate of Cornelia Livingston Crary.

139 Original Mss. Essay by Robert Fulton, "Thoughts on Free Trade"—commencing: "It is almost needless to remark that if Nations Industriously improved their local Advantages and exchanged their produce with their neighbors without duty or interruption, the cause of jealousies and wars would, in a great measure, be removed, and Peace—producing Abundance and happiness—would be more within the reach of Mankind."

Dated Oct. 9, 1797.

Loaned from the Estate of Cornelia Livingston Crary.

140 Autograph letters written in Paris, 1798, by Robert Fulton to the Earl of Stanhope.

Explaining Fulton's projects for the Construction of Canals.

Loaned from the Estate of Cornelia Livingston Crary.

141 Autograph letter from Robert Fulton to John Livingston, dated New York, July 28, 1813—presenting Mr. Hurley, for whom "every information and facility in collecting timber for a Steamboat," etc., is requested.

Loaned from the Estate of Cornelia Livingston Crary.

142 Autograph letter from Robert Fulton to John Livingston, dated New York, September 7th, 1813, with inquiries as to the build, capacity and services of the Comet and instructions regarding vouchers for expenditures for the New Orleans boats, etc.

Loaned from the Estate of Cornelia Livingston Crary.

143 Autograph letter from Robert Fulton to John Livingston, dated New York, October 22nd, 1813, specifying disbursements from enclosed draft.

Loaned from the Estate of Cornelia Livingston Crary.

144 Autograph letter from Robert Fulton to John Livingston, dated New York, October 28th, 1813: enclosing funds and orders for the finishing and manning of the Mississippi boats, etc.
Loaned from the Estate of Cornelia Livingston Crary.

145 Autograph letter from Robert Fulton to John Livingston, dated New York, Nov. 4, 1813: concerning moneys expended for Mississippi Line, etc.
Loaned from the Estate of Cornelia Livingston Crary.

146 Autograph letter from Robert Fulton to John Livingston, dated Philadelphia, Nov. 11th, 1813; with enclosure for Edward Livingston.
Loaned from the Estate of Cornelia Livingston Crary.

147 Autograph letter from Robert Fulton to John Livingston, dated New York, November 26, 1813: Describing the start of the Fulton: "the handsomest thing in the world," and her trial race to Newburgh against the Paragon.
Loaned from the Estate of Cornelia Livingston Crary.

148 Mss. of Address delivered by Philip Hone (Mayor of New York City) July 4, 1826—in celebrating the opening of the Erie Canal.
His Honor then presented a gold medal to the children of Robert Fulton (through Fulton's illustrious friend, Mr. Colden) with these words: "For the benefits resulting from this momentous discovery" (the power of Steam against wind and tide) "the United States are indebted to the Talents and Perseverance of Robert Fulton and for this his Country delights to honor his memory. . . . Few individuals in our country have possessed stronger claims upon its Gratitude than your lamented Father."
Loaned from the Estate of Cornelia Livingston Crary.

149 Colored Lithograph "Launch of the Steam Frigate, Fulton the First at New York 29th Oct. 1814"—(from the original sketch by Morgan). Published in Valentine's Manual, 1852.
Loaned by Mrs. Arthur T. Sutcliffe.

150 Colored Map "of that part of the Town of Jersey commonly called Powles Hook"—drawn by Stephen Denfer in Newark, March 16, 1813—from "A True Copy."

Loaned from the Estate of Cornelia Livingston Crary.

151 Portfolio of 12 detailed Watercolor drawings (by Robert Fulton) of Steamships and Steamship Mechanism,—with accompanying text and explanatory "Definitions, Tables and Calculations in the words of the said Robert Fulton himself, of his Discoveries, Inventions and Improvements on Steamboats," with the seal of the United States and the signature of James Monroe.

Dated: "City of Washington, the 24th day of January, A. D. 1816."

Owned by The New York Historical Society.

152 Portfolio of Original Washdrawing plans and details, presented to M. Augustin de Betancourt, Paris, by Robert Fulton.

"For the Construction of Canals on cheap principles." Vendemaire the 18th, An 7.

Owned by The New York Historical Society.

153 "Sur les Moyens proposés pour la destruction des Vaisseaux de Guerre, la défense des Ports et des Rades." By Robert Fulton. (Bulletin de la Societé d'Encouragement, No. LXXIII.) Engraved plate, folded.

Owned by The New York Historical Society.

154 (New York) American Citizen, Monday, August 17, 1807.

With notice, (page 2, column 3), of the sailing of Mr. Fulton's Steamboat—from the North River near the State Prison,—to Albany.

Owned by The New York Historical Society.

155 New York Evening Post, Saturday, August 22, 1807: Containing (page 3, column 2), a Letter of Robert Fulton dated New

York, August 20—describing his trip on the Clermont from New York to Albany and return.

Owned by The New York Historical Society.

156 Group of Four Lithographs from Valentine's Manual for 1859:

The Fulton Ferry Boat Wm. Cutting, 1827.

The Fulton Ferry Boat Olive Branch, 1836.

The Fulton Ferry Boat Union, 1836.

The Fulton Ferry Boat Over, 1840.

Owned by The New York Historical Society.

With these—is an engraving (by America's first wood engraver —Alexander Anderson)—of Fulton's Steamboat Paragon—built in 1811.

Owned by The New York Historical Society.

156A Print of the Troy Steamboats Erie and Champlain (built in 1832) passing "Saint Anthony's Nose" on the North River.

Owned by The New York Historical Society.

157 Photograph of Letter (original in British Museum) from Robert Fulton to Citoyen Directeur Baras) dated 6 Brounaire, An 7, calling attention to the great protection to Maritime commerce afforded by the adoption of Fulton's Torpedo System.

Owned by The New York Historical Society.

158 Ledger 1812 to 1833 inclusive of disbursements from the Livingston and other Estates to various parties and individuals.

Owned by The New York Historical Society.

159 Printed Appeal for "contributions towards discharging to Fulton's heirs the heavy debt due to that illustrious benefactor of mankind, and to them."

Signed by Matthew, Carey and twelve others.

Dated: Philadelphia, Sept. 3, 1830.

Owned by The New York Historical Society.

160 Robert Fulton's Family Tree.

Loaned by Mrs. Arthur T. Sutcliffe.

161 Autograph letter from Robert Fulton to J. Pintard, Esq., dated New York, Oct. 17, 1814, transmitting General Gate's papers to The New York Historical Society.
Owned by The New York Historical Society.

162 Robert Fulton. Torpedo War and Submarine Explosions, with 5 plates and one original pen drawing. Dedicated to President Madison and the Members of both Houses of Congress. New York, 1810.
Owned by The New York Historical Society.

163 Original letter from Robert Fulton to Robert R. Livingston of Clermont, New York, dated Washington, November the 20th, 1807, outlining plans and cost of new boats demanded by greatly increased Hudson River passenger and boat traffic; with partial outline of proposed hull.
Loaned by Samuel V. Hoffman.

164 Robert R. Livingston's Account Book.
Owned by The New York Historical Society.

165 Photograph of original illustrated letter written by Robert Fulton (dated New York, Nov. 26, 1814) concerning the weight the ice of Lake Ontario would sustain; a plan to surprise the enemy at Kingston, and promising utility presented by the invention of the new steam frigate.
Owned by The New York Historical Society.

166 Plans of the Hudson River Steamboat Chancellor Livingston built from Fulton's last plans; this steamboat was next in tonnage to Fulton the First. Engraved in 1820 by Akrell.
Owned by The New York Historical Society.

167 Four photographs giving three different views of a clockwork, flintlock Submarine Torpedo invented by Robert Fulton in 1812, and showing the inscription on the Torpedo as seen at the War Department Exhibit at the Jamestown, Va., Celebration.

The original Torpedo is owned by Col. Cornelius Cadle of Cincinnati, Ohio.

Owned by The New York Historical Society.

168 Wood engraving published by B. Tanner (Philadelphia, March 27, 1815) and drawn by J. Barralet from a sketch made by M. Morgan on the spot and at the moment of the "Launch of the Steam Frigate Fulton the First, New York, 29th Oct. 1814." (Illustrative of Fulton's work on "Steam Navigation for Floating Batteries," written in the spring of 1814.) The Fulton the First (Tonnage 2475) was the first Steam Vessel of War in the World.

Owned by The New York Historical Society.

169 Autograph letter from Robert Fulton to Mamy West, dated Dover (Eng.) October 16th, 1805, graphically detailing Fulton's successful Torpedo attack on a Danish brig in Walmer Roads; this experiment was made to show that the failure at Bologne was entirely due to faulty arrangements.

Loaned by Samuel V. Hoffman.

170 Group of 14 documents of great importance in the history of the invention of the Steamboat. To quote from one of them: "They were all once in the possession of John D. DeLacey, who was the business agent of Chancellor Livingston and Robert Fulton in their Steamboat enterprises."

Original memorandum of an agreement on the use of their patent rights in the construction of Steamboats, by Robert Fulton and Robert R. Livingston on the one part and John Stevens on the other part; all in the handwriting of Robert Fulton.

Owned by The New York Historical Society.

171 Autograph letter from Robert Fulton to Senator Stephen Rowe Bradley, dated New York, March 5, 1810, expressing Fulton's gratitude for the passage of the vote for "a sum sufficient to prove principles which I hope even those who were opposed will hereafter be convinced are of infinite importance to our country."

Owned by The New York Historical Society.

172 Autograph letter from Robert Fulton to Paul Hamilton, Secretary of the Navy, dated New York, May 9th, 1810, explaining the use of moneys voted by Congress for Torpedo experiments, stating his expenses in attaining the result, and establishing a caveat against party pretensions.

Owned by The New York Historical Society.

173 Original Mss. Contract between Livingston, Fulton and DeLacey (dated Oct. 27, 1812)—for the construction and service of a Steamboat line to navigate the James River and adjacent waters; with Affidavit of Peter Lohra, Notary Public, Philadelphia.

Owned by The New York Historical Society.

174 Original Mss. Articles of Agreement entered into between Robert R. Livingston and Robert Fulton, January 26, 1813.

Owned by The New York Historical Society.

175 Autograph letter from D. Mackenzie, President of the Appomattox Steamboat Company, to Robert Fulton, dated Petersburg, April 13, 1813; on the subject of the proposed Steamboat line.

Owned by The New York Historical Society.

176 Original draft (in DeLacey's handwriting) of Fulton's letter to John Stanley, Esq., dated New York, Dec., 1813, concerning the application of John Stevens for exclusive privilege to run Steamboats on the waters of North Carolina.

Owned by The New York Historical Society.

177 Exception to Award in Canal Case. Robert Fulton, John L. Sullivan, 1813.

Owned by The New York Historical Society.

178 Autograph Memorandum by Mr. Fulton on "Steam Floating Batteries," dated Spring, 1814, and prepared for newspaper publication in Washington.

Owned by The New York Historical Society.

179 Autograph letter from Robert Fulton to John D. DeLacey, dated Albany, March 20th, 1814, referring to the construction of Fulton's boats.
Owned by The New York Historical Society.

180 Original letter from Robert Fulton to Mr. Monroe, dated Rosses Tavern, Dec. 27, 1814; concerning Dr. Thornton at the patent office in Washington and his statements as to Dalton's inventions.
Owned by The New York Historical Society.

181 Original Mss. "Summary of the contents of the several papers of vouchers connected with my contracts with Livingston and Fulton"—in autograph of DeLacey—by whom the document was drawn up. Dated: Philadelphia, Jan. 7, 1828.
Owned by The New York Historical Society.

182 Estates of Robert R. Livingston and Robert Fulton (deceased) in account with John D. DeLacey, January, 1828.
Owned by The New York Historical Society.

183 In equity—John D. DeLacey vs. Representatives of Robert R. Livingston and Robert Fulton. February 3, 1828.
Owned by The New York Historical Society.

184 The case of James Jackson, ex dem, Martha Bradstreet vs. John Kirtland, in the United States District Court, for the Northern District of the State of New York.
Dated, January 7, 1829.
Owned by The New York Historical Society.

185 List of Witnesses to Contract of Appomattox Steamboat Company.
Petersberg, Va., 1828.
Owned by The New York Historical Society.

186 Opinion of John D. DeLacey, on international law. Dated New York, 1828.
Owned by The New York Historical Society.

187 Original Mss. Notes by Robert Fulton defining the meaning and purpose of "Equity," "Virtue" and—conjointly—of "laws controlling patents." The concluding words of this manuscript show it to have been part of an appeal to the Bench: "It is to defeat this ungenerous, this unjust attack on my rights and the arts of our country, that your honor is to decide in equity."

Owned by The New York Historical Society.

188 Original Contract with Specifications between Robert Fulton and James Bennett, dated New York, May 12, 1809, for the construction of the Boiler of Fulton's Steamboat the "Car of Neptune."

Owned by The New York Historical Society.

189 Original letter to Frederick DePeyster, Esq. (Second-Vice-President of The New York Historical Society), from Richard Varick DeWitt, who prepared the Watercolor picture of the North River or Clermont, and the vignette of the Clermont, for presentation to The New York Historical Society. Dated Albany, October 28, 1858. This letter authenticates and explains Mr. DeWitt's ability to make the drawing.

Owned by The New York Historical Society.

190 Drawing by Richard Varick DeWitt of Robert Fulton's Fulton the First, with deck and working plans vignetted in margin.

"At the commencement of the year 1814 Mr. Fulton submitted to the coast and harbour defense committee, the model and plans for this vessel of war. Without delay a memorial was addressed by this Committee to Congress praying that measures be adopted for executing Mr. Fulton's plan." The frigate was launched October 29, 1814—with music and gaiety in the presence of great crowds. But Fulton's soul may be said to have gone out in this supreme achievement. He died in February, 1815; it was on the 4th of the following July that his steam frigate made her first passage to the ocean and back.

Owned by The New York Historical Society.

191 Photograph of letter from Robert Fulton to Benjamin West, dated New York, May 9, 1810.

In this letter Fulton states to his friend that all doubts are removed as to the power of his invention.

Owned by The New York Historical Society.

192 Photograph of Fulton's letter to Mamy West, dated Dover, Oct. 16, 1805 (with a graphic relation of his successful torpedo experiments in Walmer Roads).

Loaned by Samuel V. Hoffman.

193 Statement by DeLacey (Broadside) concerning his exploration of Southern waters. Dated July, 1813.

Owned by The New York Historical Society.

194 Three engravings (2 by Leney) from West's Portraits of Fulton.

Owned by The New York Historical Society.

195 Autograph letter—dated May 11, 1803 (probably from Barlow to Fulton), concerning the writer's explanation to Lord Stanhope of Fulton's idea of applying steam to the movements of boats, etc.

Loaned by Hon. Peter T. Barlow.

196 Autograph letter from Thomas Jefferson to Joel Barlow.

Dated: Washington, Jan. 19, 1804. Cordially endorsing Jefferson's Secretary—Mr. Harvie—and praying Mr. Barlow to return (from Paris) and write the history of federalism, "which is in its last agonies." . . . "A more instructive lesson can never be offered to our country."

Loaned by Hon. Peter T. Barlow.

197 Copy of Robert Fulton's letter to Geo. W. Erving, Consul and Agent for the United States in London dated Paris, March 4, 1804: concerning the shipping to New York of a steam engine which the British Government had already permitted to go to

other countries; with postscript by Joel Barlow in guarantee of the necessary funds for the transaction.

Loaned by Hon. Peter T. Barlow.

198 Autograph letter to Fulton, dated Washington, March 30, 1806, on a suggested matrimonial alliance in England. Its eloquent, intimate wording points to Joel Barlow as the writer.

Loaned by Hon. Peter T. Barlow.

199 Autograph letter from Joel Barlow to Nathaniel Cutting (Charleston, S. C.) dated Philadelphia, Dec. 15, 1806. Concerning Mr. Barlow's anxiety about Fulton's journey in the then very inclement weather.

Loaned by Hon. Peter T. Barlow.

200 Autograph letter from Joel Barlow to his wife concerning different residences in Washington (President Washington's among them) under Mr. Barlow's consideration for their own establishment in that city.

Dated March 17, 1807.

Loaned by Hon. Peter T. Barlow.

201 Autograph letter from Thomas Jefferson to Joel Barlow. Dated: Washington, Dec. 25, 1808. Concerning the utility of full and regular reports on American manufactures, etc.

Loaned by Hon. Peter T. Barlow.

202 Autograph letter from James Madison to Joel Barlow, dated Williamsburg, Va., Oct. 6, 1809.

Thanking Mr. Barlow for forwarding his reply to M. Gregoire and referring to Mr. Barlow's essay on the establishing of a National University.

Loaned by Hon. Peter T. Barlow.

203 Autograph letter from James Madison to Joel Barlow. Dated Williamsburg, Va., Oct. 21, 1809. Commending Mr. Barlow's efforts for National improvement.

Loaned by Hon. Peter T. Barlow.

204 Autograph letter from Robert Fulton to Joel Barlow, referring to English reviews of The Columbiad. Dated July 1, 1810.
Loaned by Hon. Peter T. Barlow.

205 Autograph letter from Thomas Jefferson to Joel Barlow. Dated: Monticello, March 11, 1811. Praying Mr. Barlow's care of an enclosed letter with remittance of £200 sterling to Gen. Kosciuzko —"about the amount" (the letter states) "that he annually receives from this country."
Loaned by Hon. Peter T. Barlow, New York City.

206 Autograph letter to Robert Fulton (unsigned, but obviously from Mr. Barlow) dated: Washington, July 17, 1811; with farther instructions concerning Conrad's account, and a mention of the Review of Robert Smith's Address of which it says: *"It must not be known who wrote it. Mind that."*
Loaned by Hon. Peter T. Barlow.

207 Autograph letter from Robert Fulton to Joel Barlow—dated New York, June 28, 1811: concerning a certified copy of Fulton's transfer of one-half his United States patents to Robert R. Livingston, and Mr. Barlow's deposition in the Thornton case.
Loaned by Hon. Peter T. Barlow.

208 Autograph letter (probably from Joel Barlow) to Robert Fulton. Dated Washington, July 20, 1811. Recommending the ability and earnestness of Latrobe. Also concerning account for Columbiad plates.
Loaned by Hon. Peter T. Barlow.

209 Autograph letter from Joel Barlow to Robert Fulton, dated Washington, July, 28, 1811: concerning Thornton's deposition, the early editions of The Columbiad, etc.
Loaned by Hon. Peter T. Barlow.

210 Original Mss. Order to C. A. Conrad & Co. (Philadelphia), to deliver to Robert Fulton or his order, all remaining copies of The Columbiad, all material for that work, etc.

Dated Washington, 30 July, 1811 and signed by Joel Barlow.
Loaned by Hon. Peter T. Barlow.

211 Autograph letter from Mr. Barlow to Mr. Fulton, dated "off the Capes of Virginia"—5 Aug. 1811.
Loaned by Hon. Peter T. Barlow.

212 Autograph letter from Joel Barlow to Robert Fulton, dated: "Frigate Constitution—14 Aug. (1811)"—advising the Fultons of their health and safety.
Loaned by Hon. Peter T. Barlow.

213 Autograph letter from Joel Barlow to Robert Fulton.
Dated: Hampton Roads, Aug. 2, 1811.
Containing instructions as to final settlement with the printers of The Columbiad, and speaking of the cordial friendship for Fulton entertained by "Mr. and Mrs. Madison, Mr. Gallatin, Mr. Hamilton and Mr. Monroe."
Loaned by Hon. Peter T. Barlow.

214 Autograph letter from Robert Fulton to the Messrs. Conrad—dated Sept. 16, 1811.
Concerning their account with Mr. Barlow and giving details of same.
Loaned by Hon. Peter T. Barlow.

215 Autograph letter from Mrs. Joel Barlow to Cadwallader D. Colden, with sketch of Fulton's life for publication.
Loaned by Hon. Peter T. Barlow.

216 Autograph letter from Robert Fulton to Joel Barlow—dated Apr. 19, 1812:
Identifying missing letters, giving an account of Fulton's transactions with Conrad, and speaking of the intense interest attending Mr. Barlow's newspaper communications from abroad.
Loaned by Hon. Peter T. Barlow.

217 Humorous "Dialogue between wife and Toot" (Fulton) addressed "A Madame Barlow, Rue de Vangirard No. 950, a Paris" with Calais Postmark and Memoranda.
Loaned by Hon. Peter T. Barlow.

218 Memoranda of "534 Copies" (probably of The Columbiad) found in the possession of Mr. Conrad.
Dated: Philadelphia, Feb. 27, 1812.
Loaned by Hon. Peter T. Barlow.

219 Newspaper Clipping—Time Schedule—of New York Steamboats Rariton, Phoenix and North River.
Loaned by Hon. Peter T. Barlow.

220 Original (mss.) letter (unsigned) from Robert Fulton to Joel Barlow, concerning depositions in the Thornton case to "come up the 15th of July."
Loaned by Hon. Peter T. Barlow.

221 "Napoleon's passage at Warsaw"—a graphic description by Joel Barlow of Napoleon's flying trip incognito to meet the Duke at Wilma, of his arrival at Warsaw—and of his discourse there before the Council of State, Count Potowsky, and the French Ambassador.
Loaned by Hon. Peter T. Barlow.

222 Original Mss. Notes for Dr. Thornton's Deposition concerning Steamboats constructed by Robert Fulton, and the claims of Mr. Stevens.
Loaned by Hon. Peter T. Barlow.

223 Memoranda (original Mss.) by Samuel G. Olmstead—Dated New York, Sept. 21st, 1860—giving a list of original likenesses of Joel Barlow by distinguished painters and modellers.
Loaned by Hon. Peter T. Barlow.

224 to 237 Group of original Robert Fulton Manuscripts as follows: Essay on Steamboats reviewing the injustice of others' claims to Fulton's inventions.

Original Mss. Notes by Fulton—defining the irresponsibility of Messrs. Livingston and Fulton for defects in steamboats copied after theirs and built "in contempt of the patent laws of the United States, . . . and of a law passed by this State granting to Livingston and Fulton certain privileges to enable them to . . . establish these useful boats on the Hudson River." Mss. letter (1) dated Aug. 19, 1811—to Robert R. Livingston concerning the defense of their rights in the coming struggle at Albany and outlining the points to be adhered to in the defense; (2) March 31, 1812, to Robert R. Livingston, Clermont, telling how absorbingly the inventor had been occupied with "the arrangements, combinations and construction of our boats from the experiment of 1802 to the (then) present day"; (3) July 7, 1812, to R. R. Livingston concerning certain proposals made and bills due. (4) July 13, 1812, concerning copies of Count Rumford's treatise on "Light" and relating a conversation with Aaron Burr; (5) July 15, 1812, to Aaron Burr concerning the attack on Fulton's right to the invention of the Steamboat; (6) July 23, 1812, narrating the first triumphant passage of Fulton's Steam ferryboat against wind and tide; (7) Oct. 6, 1812, to R. R. Livingston, referring to statement of private accounts, and to contract with Mr. Cutting. (8) Sept. 14, 1813, a carefully detailed defense of the Fulton patent; (9) Oct. 2, 1813, to the Messrs. Livingston concerning disbursements for the construction of Boats which were their joint private property. (10) Original drawing by Fulton of plan of Steamboat boiler; (11) Original drawing also by Fulton, of plan of Steamboat.

Loaned by Allen C. Thomas, Haverford College, Haverford, Pa.

238 Original Mss. Memorandum of Clermont Steamboat Partnership Agreement—between Robert R. Livingston and Robert Fulton. Dated Oct. 10, 1802.

Loaned by John Henry Livingston, of Clermont.

239 Autograph letter from Robert Fulton to Messrs. Edward P. and Robert L. Livingston announcing the retirement of the Fulton and the readiness of the Richmond for active service in her place.

Dated June the 30th, 1814.

Loaned by John Henry Livingston, of Clermont.

240 Petition (print of the time) issued by R. R. Livingston and Robert Fulton, June 18, 1810, for protection of their Steamboat rights and privileges.

An Act "For granting to Robert R. Livingston and Robert Fulton the sole right and advantage of making and employing for a limited time the Steamboat or Boats by them invented."

Loaned by John Henry Livingston, of Clermont.

241 Original letter from A. N. Hoffman of New York to Edward P. Livingston, Esq. of Clermont, announcing the death of Robert Fulton on the morning of Thursday, Feb. 23, 1815.

Loaned by John Henry Livingston, of Clermont.

242 Autograph letter from Robert Fulton to John Brekenbrough.

Dated New York, Oct. 13th, 1814. Concerning purchase of the Richmond, Steam Navigation on the James River, etc.

Loaned by Mrs. Robert Fulton Blight.

243 Autograph letter dated Albany, June 12, 1857, from Paul Sabbaton, Fulton's later period Engine builder and Engineer, to J. Franklin Reigart.

This letter is a tender tribute from one who intimately knew the inestimable services rendered by Fulton, and his character—that combined "all the traits of a man with the gentleness of a child."

Loaned by Mrs. Robert Fulton Blight.

244 Autograph letter dated New York, April 18, 1814, from Robert Fulton to John R. Livingston. "No liberality is returned for liberality given," wrote Fulton. "Such close management demands a

close and well-guarded bargain." The management of the Rariton's finances, is the subject under discussion.

Loaned by Mrs. Hermann H. Cammann.

245 Autograph letter dated New York, May 2, 1814, from Robert Fulton to R. Lewis (in reply to a communication from Col. Hazelwood Farish, Secretary of the Potomack Steamboat Company); explaining to the subscribers the great increase of expenses in building the Steam Frigate—Fulton the First and assuring them of her satisfying soundness, and her promise of abundant returns.

Loaned by Mrs. Hermann H. Cammann.

246 Autograph letter from Robert Fulton to Edward P. Livingston, under date of New York, June 25, 1814;—this letter is a plea that each party to the Livingston-Fulton partnership recognize and pursue his own duties in and toward the business. "Again," (writes Fulton) "I invite you to give a plan of what part or portion of the business you will superintend and execute with that constancy and perseverance with which I attend to our concerns; I do not ask you and Robert to do more than I do, but I have a right to ask you to do as much."

Loaned by Mrs. Hermann H. Cammann.

247 Autograph letter from Robert Fulton to Joseph Bringhurst, Postmaster at Wilmington, Del., on his (Fulton's) cession to Mr. Stevens of "the unrivalled run on the Delaware and Chesapeake waters." Dated Washington, Jan. 23, 1811.

Loaned by E. Bringhurst, Jr.

248 Autograph letter from Robert Fulton to Joseph Bringhurst, dated New York, Aug. 27, 1813—concerning the cession to Mr. Stevens,—the verification of Fulton's predictions about Coxe, and the inventor's ambitious aim to perfect the plans then under process—which would enable "America to say that she has the most perfect water communication on this globe"; also first mentioning his serious condition of health as induced by constant,

arduous application to his work;—here he says: "Hitherto I have not sought money for monies sake, but to enable me to be useful to my country and mankind."

Loaned by E. Bringhurst, Jr.

249 Original Mss. of Disbursements (autograph of Robert Fulton) for Steamboat expenses (building and incidentals) from June 25, 1808 to June 28, 1809.

Loaned by Joseph B. Learmont, Montreal.

250 Copy of autograph letter from Robert Fulton to Thomas Jefferson—(date: New York, March 28th 1810)—containing "sketch of a self-acting Béhir Hydraulic" with explanation of same. In his "thoughts of the probable effects of this invention"—Fulton wrote: "Thus French Torpedo boats might destroy the English blockading fleet before Boulogne and take command of the British Channel. Should it be proved that Torpedo boats can attack ships of war with success It will be seen that a fleet going to sea being well provided with good row-boats and Torpedoes, could if it came into action with another fleet put out its torpedo boats harpoon and blow up the enemy even while engaged; had the french been thus provided it is probable that Lord Nelson's fleet would have been destroyed at Trafalgar." . . . The use of Torpedo Boats "on the narrow seas of Europe" . . . "must result in a war to the total extermination of trade or a convention for a perfect liberty of the seas." . . . "hence the success is of such immense importance to these states to civilization and to mankind that everything should be done to clearly demonstrate its powers."

The original letter is owned by J. Pierpont Morgan, by whose courtesy this copy is shown.

251 Autograph letter (dated New York, Feb. 22, 1814), from Robert Fulton to Isaac Cox Barnet, Esq. (Paris) regarding certain transactions in Illinois lands—between Mr. Seth Hunt and John Francis Meyneaud "now Baron Meyneaud de Pancement, —and his wife, who is heiress to Philipe Renaut, deceased"—,

and Mr. Fulton's offer (representing also others interested in the acquisition) through Mr. Barnet, and under certain conditions, to pay the sum of 80,000 francs for the lands in question.

Loaned by Mrs. Elizabeth B. French.

252 Copy of a letter dated Paris, Aug. 4, 1814, addressed to Robert Fulton, by Isaac Cox Barnet (Paris)—concerning the latter's efforts for Major Hunt, Mr. Fulton and others interested, to bring about desired transactions in Illinois lands, between themselves and Baron Meyneaud de Pancement.

Loaned by Mrs. Elizabeth B. French.

253 True Copy (verified by Fulton) of a letter addressed to Robert Fulton by John C. Barnet—and dated Paris, Sept. 10, 1814; enclosing copies of two interesting communications concerning the transfer of Illinois lands pertaining to M. le Baron Meyneaud de Pancement and his wife, heiress to Philipe Renaut. The first—from the Baron—(dated Gennerard, August 20, 1814) assures Mr. Barnet that both the Baron and his son-in-law Count de Tournon—prefect of Rome, had strenuously occupied themselves preparing the desired information concerning the lands above mentioned; that various proposals for their sale had been made to the Baron, and yet that as "the times are now more favorable than ever to go to Louisiana, if these gentlemen will make a fair offer, if it suits me, I will again treat with them," etc., etc.

Mr. Barnet (in his reply) refutes the Baron's assertion as to the favorableness of the times in Louisiana, referring to the blockade established by England in American ports as still unbroken and unlikely to be for some time, and to the friendship of France to Louisianians whose interests were so identified with the fortunes of Louis XVI.; also begging the Baron's immediate attention to the matter—so as speedy an answer as the condition of the times would permit—might be conveyed to the waiting parties in America.

Loaned by Mrs. Elizabeth B. French.

254 Autograph letter (signed) from Robert Fulton to Joshua Gilpin, dated Paris, November the 20th, 1798. Concerning Canal Con-

struction and other of Fulton's matters in which the French Government was interested.

Loaned by Rev. Wm. Bernard Gilpin, Hoboken, N. J.

255 Autograph letter (signed) from Robert Fulton to Joshua Gilpin dated Paris, September 17, 1798. Acknowledging receipt of Mr. Gilpin's letters of introduction to eminent persons in France, and speaking of the adoption of Fulton's plan for the Canal from Paris to Dieppe and Cambrai, this triumph being cause for the inventor's decision to continue in France until close of the following Spring.

Loaned by Rev. Wm. Bernard Gilpin, Hoboken, N. J.

256 Autograph letter written June 24, 1814 by Robert Fulton to Thomas Addis Emmet—concerning the extent of Chancellor Livingston's claims on Fulton's inventions.

Loaned by John D. Crimmins.

257 Photograph of letter written by Robert Fulton to Citoyen Directeur Baras.

Owned by The New York Historical Society.

258 Photographic reproduction of autograph letter from Robert Fulton to Ch. Paul Svenine, concerning the Russian Government's proposed establishment of a Steamboat to run from St. Petersburgh to Cronstadt,—and duration of rights of same.

Dated New York, July 26, 1812.

Loaned by Samuel V. Hoffman.

259 Autograph Letter from Robert Fulton to John Hoge, Dated London, Oct. 20, 1805. (Which date was just four days after Fulton's triumphant Torpedo test in Walmer Roads.)

The gentleman herein addressed appears to be the "Mr. Hogg" to whom Fulton gave rights of Attorney in 1793, instructing him then (and in 1794) to divide his Pennsylvania properties among the members of his family in suchwise "as to best meet their individual merits and necessities."

Loaned by the Chicago Historical Society.

260 Autograph letter from Robert Fulton to David Morris, dated London, May 21st, 1793.

In Fulton's brightest and most intimate vein. He discusses family matters—instructs in the transference of his real estate properties; dwells upon his anxiety concerning the Indian perils, their home, and glows with triumph at the growing fame of his friend, Benjamin West. This letter was written during the "Birmingham Period" when Fulton was so happily devoted to Mechanical study in the "great workshop."

Loaned by the Chicago Historical Society.

261 Autograph letter from Robert Fulton to his brother-in-law, David Morris, dated London, April 1, 1794. Containing further instructions in regard to the division of his property and graphically picturing the War spirit of the time in Europe. A paragraph relating to the independent position of America concludes with: "The Art of Peace should be the study of every young American."

Loaned by The Chicago Historical Society.

262 Autograph letter from Robert Fulton to his mother, date of London, Nov. 21, 1790. Amusedly contradicting absurd rumors in the American newspapers that he was receiving a large annuity for painting the Royal family.

Loaned by Louis S. Clarke, Haverford, Pa.

263 Autograph Letter from Robert Fulton to his mother (dated Paris, July 2nd, 1799).

Loaned by Louis S. Clarke.

264 Autograph letter from Robert Fulton to his mother—dated London, April 14, 1789—speaking enthusiastically of the admission of his pictures to the Royal Academy, making solicitous inquiries as to her comfort and happiness, etc.

Loaned by Mrs. Frank Semple, Sewickley, Pa.

265 Autograph letter from Robert Fulton to his mother—dated London, July 31, 1789. Assuring her of his constant affection, and

the "hope that walks ever by my side" and giving her as an address whence his letters will be safely received, the following:

"Mr. Robert Fulton, Painter, To the Care of Mr. Henry Fulton, No. 9 Watling Street, London."

Loaned by Mrs. Frank Semple, Sewickley, Pa.

266 Autograph letter from Robert Fulton to his mother.

Dated London, June 14, 1790. With charming tribute to his mother in her garden; (Mrs. Fulton was a great lover of floriculture) grateful acceptance of her consent to his continued studies abroad; the marriage of "Polly," and the desired distribution of his (Fulton's) lots for the family's benefit.

Loaned by Mrs. Frank Semple, Sewickley, Pa.

267 Original Mortgage—dated the 28th of November, 1766—on the Fulton Farm, Little Britain, Lancaster Co., Pennsylvania.

Bearing the signatures of Fulton's parents—Robert and Mary Fulton. Dated the year following the inventor's birth.

Loaned by Joseph Swift, Fulton House, Lancaster Co., Pa.

268 Copy of Map of the Fulton Farm. Certified the 14th of September, 1775.

Loaned by Joseph Swift.

269 Manuscript Map of the Fulton Farm surveyed (in parcels as indicated) in pursuance of Four Warrants—viz: the 1st granted to William Fulton, dated July 21st, 1734—(re-surveyed to James Gillespie by warrant 12th Nov. 1742). The 2nd by Warrant dated March 19, 1743. The 3rd by Warrant dated July 20, 1748, and the 4th by Warrant dated 1749. The Farm contained in all some 546½ acres. Signed Geo. Churchman—in the Secretary's Office, the 20th of May, 1774. Certified Oct. 14, 1774—by Robert Dill—for John Lukens, Esq.

Loaned by Joseph Swift.

270 Autograph letter from Robert Fulton to David Morris—dated London, Sept. 12, 1796—with thoughtful messages for family and friends.

271 Autograph letter from Robert Fulton to his mother—dated Devonshire, Jan. 20, 1792,—reviewing his tour in France.
Loaned by Mrs. Frank Semple.

271A Autograph letter—dated Paris, April 15th 1800, from Robert Fulton to his mother—instructing her how to trace a gift of thirty-six guineas sent from Paris July 3rd 1799; Fulton here refers to "business which is very important to me" as still detaining him from home—and assures his mother affectionately of his "excellent health."
Loaned by Mrs. George Montgomery, Frankford Arsenal, Philadelphia, Pa.

272 Mss. Indenture from John Hoge, Elizabeth Hoge and William Hoge to Robert Fulton—for property in Washington, Pa., dated September 18, 1786.
Loaned by Mrs. Frank Semple, Sewickley, Pa.

273 Autograph letter to Fulton's mother from George Sanderson—dated Baltimore, 25th July, 1788. The writer (who had just returned from London) warmly narrates Fulton's rapid progress "in the liberal Art of Painting," and refers to the many influential friends "his personal accomplishments and prudent behaviour" had already won him.
Loaned by Mrs. George Montgomery, Frankford Arsenal, Philadelphia, Pa.

274 Autograph letter from Robert Fulton to his brother-in-law, David Morris, (Washington Town, Pa.)
Dated London, October 25, 1805: concerning various remittances, and praying that his younger relatives industriously improve all opportunities for education.
Loaned by Mrs. Frank Semple, Sewickley, Pa.

275 Souvenir Program (Sept. 1909). Commemoration of Nativity of Robert Fulton—at Fulton House—Fulton (in Fulton's time, Little Britain,) Pennsylvania.

With Sketch of Fulton entitled: "That Son of a Pennsylvania Farmer."

Loaned by Mrs. Arthur T. Sutcliffe.

276 Collection of Original Water Color Plans and Drawings of Mechanism in parts and in practice—by Robert Fulton. (4 portfolios.)

Belonging to the New Jersey Historical Society.

277 Water Color Miniature of David Morris—Attributed to Robert Fulton.

Loaned by Mrs. George Montgomery—Frankford Arsenal, Philadelphia, Pa.

278 Miniature Medallion of Alexander Blair—Attributed to Robert Fulton.

Loaned by Mrs. Geo. Montgomery, Frankford Arsenal, Pennsylvania.

279 Engraving of Robert Fulton's Miniature Portrait of Miss Clementina Ross—elder sister of Margaret Ross.

Painted in Philadelphia, 1787.

The original Miniature is now in the Philadelphia Academy of Fine Arts.

Loaned by Alice Crary Sutcliffe.

280 Engravings of Robert Fulton's Miniature Portraits of Mr. and Mrs. John W. Kittera—Originals owned by the Pennsylvania Historical Society.

Loaned by Mrs. Arthur T. Sutcliffe.

281 Copy of Robert Fulton's publication, "Torpedo War and Submarine Explosions." With Plates. This book contains Fulton's famous words: "The Liberty of the Seas will be the Happiness of the Earth."

Printed by William Elliot, New York, 1810.

Loaned by Mrs. Hermann H. Cammann, New York City.

282 Concluding Address of Robert Fulton's Lectures on the Mechanism, Practice and Effects of Torpedoes.

Delivered at Washington, February 17, 1810.

Owned by The New York Historical Society.

283 "Canaux"—by Robert Fulton.

The original French publication (Paris, Dupain-Triel, Libraire, Cloiture Notre Dame, N° 1—An 7). This is one of the remarkable volumes that attracted the attention of the French Government—to "Robert Fulton, Ingénieur Americain."

Loaned by Mrs. Arthur T. Sutcliffe.

284 Quarto Volume in full crushed brown levant, beautifully tooled and inlaid; and with white moire doublure enriched with Coat of Arms. Illustrated with fine steel engravings, and with original drawings by Fulton.

This remarkable little volume contains autograph manuscript by Robert Fulton of the history of Steamboat Invention, under the caption: "Notes on Steamboats—Where first successful—their extension from Quebeck to St. Mary's and from the Red River to Mexico—National importance—Stevens and Evanses pretentions and blunders." (dated) Feb'y. 1813.

On page 6 Fulton wrote: "The first successful Steamboat which was ever put into actual and permanent operation and which removed from the public mind all doubt on the practicability of Steamboats was built and navigated on Hudson River in the State of New York in the autumn of 1807."

Among the illustrations is a steel engraving of Chappel's Portrait of Fulton; a humorous black and white sketch of himself, by Fulton; an engraving (by Hollyer) of the Clermont as she was when she first passed up the Hudson, and a pencil sketch by Fulton of a hackney coach in Holland with passenger and driver.

Loaned by J. Pierpont Morgan.

285 North River Steamboat Receipt Book from the dates May 12, 1810 to Nov. 15, 1812 (inclusive). The receipts are signed by Robert Fulton and Robert L. Livingston.

Loaned by John Henry Livingston.

286 Captain Samuel Wiswall's Original receipt-book noting proceeds of Fulton's Steamboat Paragon from Sept. 1812 to Dec. 1814 (inclusive). With Autograph Signatures of Robert Fulton, Edward P. Livingston, Mary Livingston, Robert G. Livingston, Robert L. Livingston, Harriet (Livingston) Fulton, and A. N. Hoffman.

Loaned by Mrs. E. Harrison Sanford, Rutland, Vermont.

287 The original "North River Receipt Book" kept by the commanding officer Capt. Samuel Wiswall and his assistant G. H. Paddock —from Sept. 20, 1809 to May 5, 1810—inclusive; printed "Rules and Regulations for Passengers" appear inside the cover.

Loaned by John Henry Livingston of Clermont.

288 Fulton Memorial Medal (silver) struck by the Fulton National Bank of Lancaster, Pa., in commemoration of the Fulton Centennial celebrated in that city, September, 1909.

Loaned by Mrs. Arthur T. Sutcliffe.

289 Robert Fulton's "Treatise on the Improvement of Canal Navigation" etc., etc.—with valuable historic data on the same; a Chapter (II.) on "the Importance of Canal Navigations" and Explanations of subjoined diagrams and Plates.

Published by I. and J. Taylor at the Architectural Library. High Holborn, London—1796.

Loaned by Mrs. Hermann H. Cammann, New York City.

290 Bronze token—commemorative of Hudson-Fulton Celebration.

Loaned by Mr. Hoffman.

291 First Proof (Obverse side)

City of Newburgh Medal. Designed for the Hudson-Fulton Celebration of September and October 1909—by

Henry K. Bush-Brown.

Executed by Whitehead and Hoag.

Newburgh—represented by a draped female figure enthroned among the Mountains, the keys of the city in one extended hand

—the broad river at her feet—gives royal welcome to the civic and ceremonial fleet passing her on its way up the Hudson—the Clermont and Half Moon in advance. The motif of the composition is "Welcome to Newburgh."

292 Original plaster casts of the Fulton Medal for the Hudson-Fulton Celebration of September and October, 1909. Inscribed "Robert Fulton 1809–1909" around a relievo portrait of the inventor.
Loaned by Thomas L. Elder, New York City.

293 Silver Souvenir Medallion Badge—designed for the Hudson-Fulton Celebration.
Loaned by S. V. Hoffman.

294 Gold and Silver tokens from the Thomas Elder casts for the Hudson-Fulton Celebration of 1909. Designed by Frank C. Higgins; modelled by J. E. Roiné—member French National Academy of Fine Arts.
Loaned by Samuel V. Hoffman.

295 Reverse side (cast) of Fulton Medal showing "The Clermont" under full way up the Hudson; engraved: "New York to Albany —The Clermont—One Trip."
Loaned by Thomas L. Elder, New York City.

296 First Proof (Reverse side)—City of Newburgh, Hudson-Fulton Celebration Medal.
With Medallion Profiles of the Discoverer and the Inventor.
H. K. Bush-Brown, Designer—Executed by Whitehead and Hoag.
Loaned by the Designer.

297 Official Silver Medal (Struck by the American Numismatic Society) for the Hudson-Fulton Celebration 1609–1909.
(From Designs by Emil Fuchs.)
In his study of the costumes and "inboard" of the "Halve Maene" (the old Dutch words for Half Moon) shown on the Hudson side of the medal, Mr. Fuchs travelled to The Hague to

consult with (Retired) Vice-Admiral Yonhkeer Roell of the Royal Dutch Navy. At the moment pictured, all on board the vessel are absorbedly watching the sounding-lead. As a background to the ship the majestic scenery of the Hudson is delicately suggested. The legends: "Discovery of the Hudson River by Henry Hudson, A. D. MDCIX"—"The American Numismatic Society"—and "The Hudson-Fulton Celebration Commission"—which frames this side—are divided by Society and Commission Seals and drawings of nautical Instruments of the time.

On the Fulton side of the Medal a classic group of three draped female figures is seated in a temple porch whose two outer columns divide the upper part of the medal. The central and commanding figure "Steam Navigation" holds a model of Fulton's Clermont. At her right—"Commerce"—her hand upon an anchor—regards her intently, while "History"—pen in hand and parchment waiting—turns toward her from the left. Below this group is inscribed: "First use of Steam Navigation on the Hudson River—1807." The upper part is framed with a laurel wreath opening between the columns to admit a medallion of the inventor, adapted from the Portrait by Benjamin West; beneath the medallion is engraved: "Robert Fulton 1765–1815." At the right and left appear respectively a view of New York from the Hudson River (from a rare sketch of 1806, owned by the Society of Iconophiles) and a view of the present New York water line.

Emil Fuchs (London and New York), the painter-sculptor who designed this important example of Medallic Art, designed (by royal command) the "Queen Victoria," "Prince and Princess of Wales," "Princess Henry of Battenberg," "Official Coronation," "Science, Art and Music" and "South African War" Medals; also those of various notable foreign commissions, and several of the leading medals for the Hispanic and American Numismatic Society.

Owned by The New York Historical Society.

298 Bronze tokens "in commemoration of the Hudson-Fulton Celebration" 1609–1909 and 1807–1909.

Loaned by Mr. Samuel V. Hoffman.

299 "Fulton's Triumph."

Water-color (29 x 37¾ inches)—showing the departure of the Clermont on her initial trip up the Hudson to Albany, a strong north wind blowing smoke and sparks back among the watching men and women crowding the pier close by the old Prison, and gaily fluttering the Clermont's flag and pennant. "Fulton stands at the helm of the Clermont gratefully acknowledging the plaudits of the spectators—as the Steamboat moves proudly off"; row boats and water craft filled with eager friends and spectators crowd about the Clermont; the white sails, and the brilliant tones of flags and costumes (strictly of the time) add much to the scene.

Painted by Henry A. Ogden.

Loaned by the Artist. Illustrator of "Uniforms of the United States from 1774 to 1889."

Authorized by the Secretary of War and prepared under the Supervision of the Quartermaster-General, by Lieut.-Col. M. I. Ludington.

300 Plate of the Launching of Robert Fulton's Fulton the First—Oct. 29, 1814.

Loaned by Henry C. Swords.

301 Model of the latest Hudson River Day line Steamboat—Hendrick Hudson.

Loaned by Hudson River Day Line.

302 Statue of Robert Fulton—from the Brooklyn Terminus of the Fulton Ferry.

Loaned by the Fulton Ferry Company.

303 Dinner Bell used on the Clermont.

Loaned by Eben E. Olcott.

304 Model of the reconstructed Clermont.

By H. E. Boucher.

Loaned by The Hudson River Day Line.

305 Plate by C. G. Crehen—from a Portrait of Robert Fulton by Benjamin West,—with view of the Clermont and facsimile of Fulton's Autograph.
Printed by Nagel and Weingartner, New York, 1850.
Owned by The New York Historical Society.

306 Plans of the new Clermont.
Loaned by Eben E. Olcott.

307 "The answer of Mr. Sullivan to the Letter and Misstatements of the Hon. Cadwallader D. Colden, as the advocate of the monopoly of Steam and Fire in navigating the Rivers, Coasts and Lakes of New York."
By John L. Sullivan.
Second Edition. Troy, 1823.
Owned by The New York Historical Society.

308 Explanation by John L. Sullivan of the nature of certain Grants to him for the use of Steamboats on Connecticut River, and the nature of his claims to admission into the State of New York, of his patented improvements in Steamboats. In a letter addressed to (Wm. Coleman) the Editor of the New York Evening Post.
New York, 1818.
Owned by The New York Historical Society.

309 "Ferry Leases now in force (Fulton Ferry, etc.)."
Printed under the Direction of the Comptroller—as ordered by Resolution of The Board of Assistant Aldermen, October 22, 1832.
New York, 1832.
Owned by The New York Historical Society.

310 "A Brief Exposition of the Views of John L. Sullivan, Esq., who holds in virtue of an Act of the Legislature of Massachusetts, an exclusive right to the use of steam tow boats, on part of the water of that State for forty-two years, viz: From 1814 to

1856!!! in opposition to similar rights granted by the State of New York to Messrs. Livingston and Fulton."
Cadwallader D. Colden. New York, 1822.
Owned by The New York Historical Society.

311 A Reply to Cadwallader D. Colden's Vindication of the Steamboat monopoly, with appendix containing copies of the most important Documents referred to in the argument.
By William A. Duer. Albany, 1819.
Owned by The New York Historical Society.

312 "A History of the Steamboat Case" lately discussed by Connell before the Legislature of New Jersey. (Comprised in a Letter to a gentleman at Washington.)
Trenton, 1815.
Owned by The New York Historical Society.

313 The Right of a State to grant exclusive privileges in roads, bridges, canals, navigable waters, etc., vindicated; by a candid examination of the Grant from the State of New York to, and contract with Robert R. Livingston and Robert Fulton—for the exclusive navigation of vessels by steam or fire, for a limited time, on the waters of said State, and within the jurisdiction thereof (with supplemental Remarks).
New York, 1811.
Owned by The New York Historical Society.

314 James Renwick's "Life of Robert Fulton" (Vol. X. of) "The Library of American Biography" conducted by Jared Sparks.
Boston, 1838.
Owned by The New York Historical Society.

315 The Law Papers and Documents relating to the management of the Old, or Fulton Ferry.
Brooklyn, 1822.
Owned by The New York Historical Society.

316 Fulton Ferry.

A Statement of Facts, with Remarks, etc.—in answer to a Pamphlet published at Brooklyn in relation to the Steamboat Ferry.

Brooklyn, 1822.

Owned by The New York Historical Society.

317 Report of the Practicability of navigating with Steamboats on the Southern Waters of the United States from the Chesapeake to the River St. Mary's, forming part of a line of Steamboat communications, now establishing, from the northern extremity of Lake Champlain to East-Florida—a distance of 1500 miles.

Robert Fulton. New York, Dec. 1813.

Owned by The New York Historical Society.

318 Life of Robert Fulton issued by the Fulton Trust Company of New York.

New York, 1906.

Owned by The New York Historical Society.

319 Report of the Committee of Claims to whom was referred the petition of the heirs of Robert Fulton. 28th Congress, 1st Session, Rep. No. 127, Ho. of Rep. (To accompany bill H. R. No. 120.)

Washington, 1844.

Owned by The New York Historical Society.

320 "De la Machine Infernale Maritime, ou de la Tactique Offensive et Défensive de la Torpille. Traduit de l'Anglais, par M. E. Nunez de Taboada." 5 original plates.

Robert Fulton.

Paris, 1812.

Owned by The New York Historical Society.

321 The Life of Robert Fulton and a History of Steam Navigation—Illustrated.

Thomas W. Knox.

Owned by The New York Historical Society.

322 "Report on the Practicability of Navigating with Steamboats," etc., by Robert Hubert.
Same. Second Edition.
Philadelphia, 1828.
Owned by The New York Historical Society.

323 "Recherches sur les Moyens de Perfectionner les Canaux de navigation, et sur les nombreux avantages de petits canaux."
Robert Fulton.
Engraved plates. Paris, 1799.
Owned by The New York Historical Society.

324 The Life of Robert Fulton by J. Franklin Reigart.
Philadelphia, 1856.
Illustrated with copies of Original Drawings by Mr. Fulton, and numerous Plates.
Owned by the New York Historical Society.

325 Volume III of the National Portrait Gallery of Distinguished Americans.
Conducted by James Herring and James B. Longacre, New York, 1836: containing sketch of the life of Robert Fulton with engraved portrait by G. Parker from painting by Benjamin West, and facsimile of Fulton's Autograph. The New York Historical Society possesses the original steel plate of the foregoing portrait.
Owned by The New York Historical Society.

326 The Life of Robert Fulton.
By his friend, Cadwallader D. Colden.
Read before the Literary and Philosophical Society of New York, New York, 1817.
Owned by The New York Historical Society.

327 Historical Sketch of Fulton Ferry and its Associated Ferries. Printed for the private use of the Company.
Photograph of the Robert Fulton Statue.
Henry E. Pierrepont.
(Illustrated) Brooklyn, 1879.
Owned by the New York Historical Society.

328 "A Biographical History of Clermont or Livingston Manor."
1 (printed) volume by Thomas S. Clarkson.
Clermont, N. Y., 1869.
With photographs of Clermont—the residence of Chancellor Livingston; and portrait of the Chancellor; also contains chapters on Steam Navigation, and Sketch of Robert Fulton.
Owned by The New York Historical Society.

329 Genealogy of the Fulton Family. Compiled and edited by Hugh R. Fulton. Lancaster, Pa., 1900.
(Genealogical Chart of the family of Robert Fulton—between pages 196–197.)
Owned by The New York Historical Society.

330 "The Picture of New York or The Traveller's Guide through the Commercial Metropolis of the United States." By Samuel L. Mitchill.
With Plan (engraved by Peter Maverick) of the City of New York (1807), showing the location of the old State Prison from which point the Clermont started on her first trip up the Hudson, New York, 1807.
Owned by The New York Historical Society.

331 Longworth's American Almanac, New York Register, and City Directory. New York, 1809.
First appearance of Robert Fulton's name in the City Directory; residence given: 100 Reed (Reade) Street.
Owned by The New York Historical Society.

332 Longworth's City Directory. New York, 1814.
Last appearance of Fulton's name in the City Directory, as residing at Marketfield St., opposite the Battery. (Marketfield Street is the present Battery Place, between Broadway and West Street.)
Owned by The New York Historical Society.

333 Longworth's City Directory. New York, 1815.
This Directory gives the name of the widow of Robert Fulton as residing at 353 Broadway.
Owned by The New York Historical Society.

334 Clipping from a Brooklyn newspaper (issue of 1875): "Ninety-eight years"—"Death of the Oldest Citizen of Brooklyn—Peter Coffee, the Pilot of the First Steam Ferry-boat," etc.
Loaned by Mrs. M. V. Coffee, Fulton Street, Brooklyn.

335 Photograph of James Watt's Workshop in his residence, Heathfield Hall, Birmingham.
Loaned by Samuel V. Hoffman.

336 Photo-Postal of James Watt's House, Heathfield Hall, Birmingham, Eng.
Loaned by Samuel V. Hoffman.

337 Quarto Volume issued by Taylor and Walton, "Publishers to University College," London, 1848; on "The Origin and Progress of Steam Navigation," compiled by Bennet Woodcroft, Professor of Machinery—University College: containing among its illustrations, a "Perspective View of Machinery in Fulton's Clermont—1807," together with a sketch of the Clermont under way, and considerable text concerning the same. Also a very useful "List of Patents and Documents—nearly all of which are on (and concern) Propelling Vessels," etc., etc., from 1618 to the year of publication.
Loaned by W. P. Stephens, Bayonne, N. J.

338 Photograph of Engine Mechanism devised by Robert Fulton; from the original drawings with the date of August the 6th, 1803.
Loaned by Samuel V. Hoffman.

339 Letters Patent granted by the United States of America to David Cooke—April 16, 1819,—who "hath alleged that he has invented a new and useful improvement in the mode of propelling Boats

or Vessels by Valve paddles operated on by Steam or other power."

Two pages (parchment) with Seal of the United States and autograph signatures of President James Monroe and John Quincy Adams—Secretary of State.

Loaned by Mrs. Wm. Crocheron.

340 Small Photographs of John Davis and Wife (from Remington's —Broadway—about 1861).

John Davis (who claimed descent from the Jefferson Davis stock) was one of the deck hands on the Clermont on her first trip to Albany and possessed a fund of interesting stories of his experiences on her.

He was afterwards the Store keeper (and one of the earliest white settlers) of what is now Owasso, Michigan. His versatility is shown in the fact that he constructed entirely of wood several organs for now prosperous towns (then in their infancy) which have recently won unqualified appreciation from musical experts.

Loaned by Henry Escher, Brooklyn, N. Y.

341 Colored lithograph of Fulton Ferry (Valentine's Manual—1864).

Loaned by Mrs. Arthur T. Sutcliffe.

342 Robert Fulton's Portrait by Benjamin West, as engraved by Parker.

Loaned by Joseph B. Learmont, Montreal, Canada.

343 "The Story of Robert Fulton"—by Peyton F. Miller (Illustrated).

Published by the Knickerbocker Press, New York.

Owned by The New York Historical Society.

344 Copy of Mss. Disbursements by Robert Fulton. (See No. 249.)

Loaned by Joseph B. Learmont, Montreal, Canada.

345 Circular issued for the International Maritime Exposition held in the city of Bordeaux, France, from May to November, 1907, "In Commemoration of the Hundredth Anniversary of Robert Fulton's Successful Application of Steam to Navigation." "It must be remembered," says the circular, "that it was in France, on the river Loire, that Fulton, in 1803, made his initial essays."

The exposition was organized by the French Maritime League, under the official patronage of the Government of France.

Robert Fulton Ludlow—a grandson of the Inventor—was a member of the American Committee of Honor.

Loaned by Mrs. Arthur T. Sutcliffe.

346 "Fulton's Day of Triumph"—with amusing quotation from the New York American Citizen of August 17, 1807; a vivid relation of the Clermont's start on her initial trip up the Hudson; also of Fulton's first submarine boat experiments "during his residence in Paris whither he had gone to study Art and remained to practise Applied Science."

(Mounted) Page from The Scrap Book, issue of August, 1909.

Loaned by Joseph B. Learmont, Montreal, Canada.

347 "Robert Fulton and the Clermont."

The authoritative story of Robert Fulton's early Experiments Persistent Efforts and Historic Achievements, etc., by Alice Crary Sutcliffe, Great-Grand-Daughter of the Inventor. The Century Company, New York, 1909.

BUSTS

348 John Jay by Giuseppe Ceracchi.

349 George Clinton by Giuseppe Ceracchi.

350 Benjamin Franklin by Jean Antoine Houdon.

351 Joel Barlow by Jean Antoine Houdon.

352 George Washington by Jean Antoine Houdon.

353 Thomas Jefferson by Jean Antoine Houdon.

354 Benjamin West by Francis Chantrey.

Owned by The New York Historical Society.

HUDSON-FULTON CELEBRATION

1909

List of the Museums, Institutions and Societies which have prepared Free Exhibitions relating to Henry Hudson, Robert Fulton and the History of Steam Navigation. Paintings, objects of art, archæological specimens, and other things relating to the three centuries of New York's history; the discovery of the Hudson River, and the introduction of steam navigation. Plants, fish and animals indigenous to the Hudson River Valley

PREPARED BY THE
COMMITTEE ON SCIENCE, HISTORY AND ART
OF THE
HUDSON-FULTON CELEBRATION COMMISSION
NEW YORK, 1909

The Hudson-Fulton Celebration Commission

Appointed by the Governor of the State of New York and the Mayor of the City of New York and chartered by Chapter 325, Laws of the State of New York, 1906

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List of Institutions holding Free Exhibitions under the auspices of or in coöperation with the Scientific, Historical and Art Committees of the Hudson-Fulton Celebration Commission

AMERICAN MUSEUM OF NATURAL HISTORY, Seventy-seventh Street, from Columbus Avenue to Central Park West. Open daily, except Sundays, from 9 a.m. to 5 p.m.; Sundays from 1 to 5 p.m. Always free. **Special Exhibition during the Hudson-Fulton Celebration, from September 1st to December 1st. Original objects showing the life and habits of the Indians of Manhattan Island and the Hudson River Valley.** (Special illustrated guide for sale; price, 10 cents.)

Take Sixth or Ninth Avenue Elevated Railway to Eighty-first Street, or Subway to Seventy-ninth Street; also reached by all surface cars running through Columbus Avenue or Central Park West.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS, Engineering Building, 29 West Thirty-ninth Street. **Robert Fulton Exhibition consists of paintings, drawings, books, decorations and furniture, and working models of John Fitch's steamboat, the first boat operated and propelled by steam, Robert Fulton's "Clermont," the first successful application of steam to navigation, and John Stevens's "Phœnix," the first steamboat to sail on the ocean.**

The exhibition will be shown in the Council Room of the Society, on the eleventh floor, and will be open from 9.00 a.m. until 5.30 p.m. during the entire period of the Hudson-Fulton Celebration, and from 9.00 a.m. until 5.00 p.m. daily until December 6th.

BROOKLYN INSTITUTE, Eastern Parkway. Open daily, except Sundays, from 9 a.m. to 6 p.m.; Sundays from 2 to 6 p.m.; Thursday evenings from 7.30 to 9.30 p.m. Free except on Mondays and Tuesdays, when admission fee is charged of 25 cents for adults and 10 cents for children under six years of age. Collections illustrating various departments of Archæology, Mineralogy and Ethnography. **Special Exhibition relating to past and present life of Indians on Long Island. Portrait of Robert Fulton painted by himself, the property of Col. Henry T. Chapman and loaned by him to the Museum. Open September 1st to December 31st.** (Illustrated catalogue for sale.)

Take Subway Express to Atlantic Avenue, or Flatbush Avenue Trolley from Brooklyn Bridge. St. John's Place surface car from Atlantic Avenue or Borough Hall.

CHILDREN'S MUSEUM (Brooklyn Institute), Bedford Park, Brooklyn Avenue. **Collection illustrative of the fauna of Long Island.** Open free to the public from Monday to Saturday (inclusive) from 9 a.m. to 5.30 p.m., and on Sunday from 2 until 5.30 p.m.

CITY HISTORY CLUB OF NEW YORK, 21 West Forty-fourth Street. **Special Exhibition of Illustrations, Photographs, Maps and Plans relating to the history of the City of New York, and all of the originals used in the City History Club Historical Guide Book of the City of New York.**

COLLEGE OF THE CITY OF NEW YORK, St. Nicholas Avenue and 139th Street. **Hudson-Fulton Exhibit. During the Hudson-Fulton Celebration and for some weeks thereafter, the College of the City of New York will have on exhibition in its historical museum a collection of charts, views, manuscripts and relics representing old New York.** Among the charts will be original prints of New Netherlands and New Amsterdam by Nicholas J. Vischer, about 1650; N. Visscher, 1690; Lotter's "New Jorck," 1720; contemporary plans and views of the Revolutionary period showing the movements of Washington and Howe in this vicinity during the Campaign of 1776; Revolutionary battle relics; portraits, residences and letters of old New Yorkers; bronze busts of Washington, Lincoln and Fulton by Houdon and Volk; and other material suggested by the celebration.

Take Sixth Avenue Elevated Railway to 140th Street, or Broadway Subway to One Hundred and Thirty-seventh Street.

DEPARTMENT OF PARKS, BOROUGHS OF BROOKLYN AND QUEENS. Through the courtesy of Commissioner Michael J. Kennedy, the different species of trees have been labeled in Prospect Park, from the Plaza to the Willink Entrance; in Bedford Park; in Highland Park, and in Tompkins Park. **An additional small enameled sign has been hung on those labeled trees that were indigenous to the Hudson River Valley in 1609.** The special label reads: "**This species is a native of the Hudson River Valley.**"

FRAUNCES TAVERN, 54 Pearl Street, near Broad Street. Historic Revolutionary Building. **Built in 1719.** Scene of Washington's farewell to his officers on **December 4, 1783.** Restored December 4, 1907, by the New York Society of the Sons of the Revolution. Open daily, except Sundays, from 9 a.m. to 6 p.m. **Special Exhibition of Revolutionary Relics by the New**

York State Society of the Sons of the Revolution, who are the owners of the historic building, September 15th to November 1st.

Take Subway to Bowling Green Station, or Third Avenue Elevated Railway to Hanover Square Station, or Broadway surface cars.

LONG ISLAND HISTORICAL SOCIETY, corner of Pierrepont and Clinton Streets, Brooklyn, between Brooklyn Bridge and Borough Hall. Open daily, except Sundays, from 8.30 a.m. to 6 p.m. Reference library of 70,000 volumes; manuscripts, relics, etc. **Autograph receipt of Robert Fulton and original manuscript volume of Danker's and Sluyter's "Journal of a Voyage to New York in 1679-80."**

Take Subway to Borough Hall, Brooklyn; Third Avenue Elevated Railway or surface cars to Brooklyn Bridge, connecting with Bridge cars.

METROPOLITAN MUSEUM OF ART, Central Park East. Main entrance on Fifth Avenue at Eighty-second Street. Open daily, except Sundays, from 10.00 a.m. to 6.00 p.m.; until Dec. 31st, to 5.00 p.m.; Saturdays to 10.00 p.m.; Sundays from 1.00 to 6.00 p.m. On Mondays and Fridays an admission fee of 25 cents is charged, except to members and copyists. Collections illustrating all departments of Art and Archæology. **Special Exhibition of a magnificent Collection of over 130 of the works of 17th century Dutch Masters, constituting the finest Exhibition of this kind ever made. Products of Colonial Art: American Paintings, Furniture, Pewter and Silver of the 17th and 18th centuries, etc.** (Two catalogues for sale, one of Dutch Exhibit and one of Colonial Arts; price, 10 cents each. Also finely illustrated edition de luxe.)

Take Fifth Avenue stages or Madison Avenue surface cars to Eighty-second Street, one block east of Museum; connection with Subway at Forty-second Street, and with Elevated Railway and West Side surface cars at Fifty-ninth Street.

NATIONAL ARTS CLUB, Twentieth Street near Irving Place (Gramercy Park). This house was formerly the residence of Samuel J. Tilden, and is situated one block east of the birth-place of Ex-President Roosevelt. Open daily from September 20th to about October 18th, 1909, from 10 a.m. to 6 p.m. **Special Loan Exhibition by the National Arts Club, in coöperation with the American Scenic and Historic Preservation Society.**

Three centuries of New York City: Special Exhibition of Paintings, Photographs, Drawings and other interesting materials, illustrating the growth and progress of New York from the time of Henry Hudson to the present day.

Take Fourth or Madison Avenue surface cars to corner of Fourth Avenue and Twentieth Street, one block west of Club-house. Subway Station at Eighteenth Street and Fourth Avenue, three blocks away.

NEW YORK AQUARIUM, in Battery Park. Under the management of the New York Zoölogical Society. Open daily, including Sundays, from 9 a.m. to 5 p.m. until October 15th. (October 16th to April 14th, from 10 a.m. to 4 p.m.) This building was erected in 1807 by the United States Government as a fort and after the War of 1812 was called Castle Clinton; later, as Castle Garden, it was the scene of Jenny Lind's triumphs, and from 1855 to 1890 it was the portal of the New World for 7,690,606 immigrants. This is the largest aquarium in the world and contains a greater number of specimens and species than any other. **All tanks containing fish indigenous to the Hudson River will be so marked.**

Take any Elevated Railway to Battery Place Station, or Subway to Bowling Green Station. Also reached by all surface cars which go to South Ferry.

NEW YORK BOTANICAL GARDEN, Bronx Park. Museums open daily including Sundays from 10 a.m. to 5 p.m.; Conservatories from 10 a.m. to 4 p.m. Grounds always open. **In the Grounds and Conservatories exhibits of Plants, Shrubs, Trees and Natural Woodland; in the Museums, Plant Products utilized in the Arts, Sciences and Industries. All Trees growing on Manhattan Island and Hudson River Valley at the time of Hudson's arrival are marked with the letter "H."** (Special illustrated catalogue for sale.)

Take Third Avenue Elevated Railway to Bronx Park (Botanical Garden). Subway passengers change at Third Avenue and 149th Street. Also reached by Harlem Division of the New York Central Railroad from Grand Central Station, Fourth Avenue and Forty-second Street.

NEW YORK GENEALOGICAL AND BIOGRAPHICAL SOCIETY, 226 West Fifty-eighth Street, between Broadway and Seventh Avenue. Open daily, except Sundays, from 10.00 a.m. to 5.00 p.m., until November 1st. **Special Exhibition of old Deeds, Manuscripts, Books, Portraits, etc., relating to the history of the United States up to and including the War of 1812.** (Catalogue for sale.)

Take Broadway surface cars to corner of Fifty-eighth Street. Subway station at Columbus Circle (Fifty-ninth Street), two blocks distant. Sixth Avenue Elevated station at Ninth Avenue and Fifty-ninth Street, three blocks away.

NEW YORK HISTORICAL SOCIETY, corner of Seventy-seventh Street and Central Park West. September 25th to October 30th, open daily from

9 a.m. to 5 p.m. **Robert Fulton Exhibition of the New York Historical Society, in coöperation with the Colonial Dames of America.** (Catalogue for sale.)

Take Sixth Avenue Elevated Railway to Eighty-first Street and Columbus Avenue, or surface cars traversing Central Park West. Also reached by any Columbus Avenue surface car to Seventy-seventh Street.

NEW YORK PUBLIC LIBRARY, Lenox Branch, Fifth Avenue and Seventy-second Street. Open daily, except Sundays, from 9 a.m. to 6 p.m. **Special Exhibition of Prints, Books, Manuscripts, etc., relating to Henry Hudson, the Hudson River, Robert Fulton and Steam Navigation.** (Special illustrated catalogue for sale; price, 10 cents.)

Take Fifth Avenue Stages, or Madison Avenue surface cars to Seventy-second Street, one block east of Library; connection with Subway at Grand Central Station and with Elevated Railway and West Side surface cars at Fifty-ninth Street.

NEW YORK ZOÖLOGICAL PARK, under the management of the New York Zoölogical Society, in Bronx Park. Open daily, including Sundays, from 9 a.m. until an hour before sunset (November 1 to May 1 from 10 a.m.). Free, except on Mondays and Thursdays, when an admission fee of 25 cents is charged. Exhibition of a splendid collection of Animals, Birds and Reptiles. **The fauna of Henry Hudson's time on Manhattan Island and Hudson River Valley will be indicated by the flag of the Hudson-Fulton Celebration.** (Special illustrated catalogue for sale.)

Take Subway trains marked "Bronx Park Express" to terminus at 180th Street, or Third Avenue Elevated to Fordham Station. The entrances are reached by numerous surface cars.

REFORMED DUTCH CHURCH. The Reformed Protestant Dutch Church of the City of New York will make an exhibit in the chapel of the Church of St. Nicholas, Fifth Avenue and 48th Street, during the week of the celebration, 9 to 5 daily.

This church was organized A.D. 1628, and the exhibit will comprise articles connected with its long history.

STATEN ISLAND ASSOCIATION OF ARTS AND SCIENCES PUBLIC MUSEUM (formerly the Natural Science Association of Staten Island), Borough Hall, New Brighton, Richmond Borough, New York City. **A special exhibit, consisting of old maps and documents, Indian and Colonial relics, models of Dutch and Indian towns,**

etc. This exhibit was opened with appropriate ceremonies on September 4th, the actual date of Henry Hudson's landing on Staten Island in 1607. Open until December 1st.

Take Staten Island Municipal Ferry to Staten Island, then car, or short walk.

VAN CORTLANDT HOUSE MUSEUM, in Van Cortlandt Park. This fine colonial mansion, **built in 1748**, with furniture of the period, is one of the oldest houses within the area of Greater New York; it is in the custody of the Colonial Dames of the State of New York. Open daily, 9.00 a.m. to 5.00 p.m. **Special Exhibition of Mezzotint Portraits of men prominent in political life prior to the Revolution; Wedgwood's Medallion Portraits of Illustrious Personages; Cartoons and Caricatures of political events, etc.** (Special illustrated catalogue on sale.)

Take Harlem Railroad from Grand Central Station; Sixth Avenue Elevated Railway, connecting at 155th Street with the Putnam Division of the New York Central Railroad; or Subway trains marked "Van Cortlandt Park."

WASHINGTON'S HEADQUARTERS (The Jumel Mansion), Roger Morris Park, Edgecombe Road and One Hundred and Sixty-second Street. Built about 1760. Under the Department of Parks. Exhibition by the ladies of the Washington Headquarters Association, Daughters of the American Revolution. Open free daily, including Sundays, from 9 a.m. to 5 p.m. **Special features: Collection of Colonial furnishings, objects and pictures; also the Bolton Collection of War Relics of the Revolution.**

Take "Tenth Avenue, Broadway, and Amsterdam Avenue" surface cars of the Third Avenue system; Sixth Avenue Elevated Railway to One Hundred and Fifty-fifth Street, or Broadway Subway to One Hundred and Fifty-seventh Street.

BY SPECIAL CARD ONLY

AMERICAN GEOGRAPHICAL SOCIETY, 15 West 81st Street. **Special Exhibition of Books and Maps relating to Henry Hudson and Robert Fulton.** Admission can be obtained by card. Apply to the Librarian, 15 West 81st Street. Open from September 25th to October 9th, from 9 a.m. to 5 p.m.

GEORGE F. KUNZ,

Hudson-Fulton Celebration Commission,

Tribune Building, New York.

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